NO. 1255150

DAILY DRILLING REPORT

REPORT NO.

LEASE	WELL NO.	API WELL NUMBER	DATE
Elk Hills	35-186	EPA FRS ID No. 110012191430	3-21-02

OPERATOR	CONTRACTOR	RIG NO.
OXY	Nabors Drilling	429

SIGNATURE OF OPERATOR'S REPRESENTATIVE: [signature]

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: Pat Dmarton

D.P. SIZE	WEIGHT	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.
4 1/2	16.6	E	6 3/4	XH	115
4 1/2	41	HW	6 3/4	XH	17

PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
1	OPT	700 HDL	8

TIME DISTRIBUTION – HOURS

CODE NO. – OPERATION	MORN.	DAY	EVE.
1. RIG UP AND TEAR DOWN			
2. DRILL ACTUAL	5 1/2		4 1/2
3. REAMING			
4. CORING			
5. CONDITION MUD & CIRCULATE	1/2		
6. TRIPS	1 1/2		
7. LUBRICATE RIG			
8. REPAIR RIG			
9. CUT OFF DRILLING LINE			
10. DEVIATION SURVEY	1/2		
11. WIRE LINE LOGS			
12. RUN CASING & CEMENT			
13. WAIT ON CEMENT			
14. NIPPLE UP B.O.P.			
15. TEST B.O.P.			
16. DRILL STEM TEST			
17. PLUG BACK			
18. SQUEEZE CEMENT			
19. FISHING			
20. DIR. WORK			
21.			
22.			
23.			
COMPLETION A. PERFORATING			
B. TUBING TRIPS			
C. TREATING			
D. SWABBING			
E. TESTING			
F.			
G.			
H.			
TOTALS	8		4 1/2

DAYWORK TIME SUMMARY (OFFICE USE ONLY)

HOURS W/CONTR. D.P.			
HOURS W/OPR. D.P.			
HOURS WITHOUT D.P.			
HOURS STANDBY			
0 hrs of Downtime			
TOTAL DAYWORK			
NO. OF DAYS FROM SPUD			
CUMULATIVE ROTATING HOURS			
DAILY MUD COST			
TOTAL MUD COST			

MORNING TOUR

DRILLING ASSEMBLY (At end of tour)

NO.	ITEM	LENGTH
	BIT	
	OD	
	OD	
	OD	
	OD	
	OD	
	STANDS ___ D.P.	
	SINGLES ___ D.P.	
	KELLY DOWN	
	TOTAL	
WT. OF STRING		

BIT RECORD

BIT NO.	
SIZE	
IADC CODE	
MANUFACTURER	
TYPE	
SERIAL NO.	
JETS	
TFA	
DEPTH OUT	
DEPTH IN	
TOTAL DRILLED	
TOTAL HOURS	

CUTTING STRUCTURE: INNER | OUTER | DULL CHAR. | LOCATION

BEARINGS/SEALS | GAGE | OTHER DULL CHAR. | REASON PULLED

MUD RECORD

TIME			
WEIGHT			
PRESSURE GRADIENT			
FUNNEL VISCOSITY			
PV/YP	/	/	/
GEL STRENGTH	/	/	/
FLUID LOSS			
pH			
SOLIDS			

MUD & CHEMICALS ADDED

TYPE	AMOUNT	TYPE	AMOUNT

DAY TOUR

DRILLING ASSEMBLY (At end of tour)

NO.	ITEM	LENGTH
	BIT 12 1/4	1.00
	B/S	1.00
	⊗ OD	1.28
	MONEL OD	31.40
1	DC/STB OD	28.15/4.30
1	DC/STB OD	29.00/4.45
4	DC OD	118.71
7	HW	213.15
	BHA	
	STANDS ___ D.P.	
	SINGLES ___ D.P.	
	KELLY DOWN	40
	TOTAL	259.29
WT. OF STRING		25,000

BIT RECORD

BIT NO.	1
SIZE	12 1/4
IADC CODE	
MANUFACTURER	HTC
TYPE	MXC1
SERIAL NO.	R97SA
JETS	4-15
TFA	.69
DEPTH OUT	259
DEPTH IN	100
TOTAL DRILLED	159
TOTAL HOURS	4 1/2

CUTTING STRUCTURE: INNER | OUTER | DULL CHAR. | LOCATION

BEARINGS/SEALS | GAGE | OTHER DULL CHAR. | REASON PULLED

MUD RECORD

TIME		530	930
WEIGHT		8.8	8.8
PRESSURE GRADIENT			
FUNNEL VISCOSITY		45	41
PV/YP	/	/	/
GEL STRENGTH	/	/	/
FLUID LOSS			
pH			
SOLIDS			

MUD & CHEMICALS ADDED

TYPE	AMOUNT	TYPE	AMOUNT
Gel X	2		
Soda ash	2		
Lime	45		

EVENING TOUR

DRILLING ASSEMBLY (At end of tour)

NO.	ITEM	LENGTH
	BIT 12 1/4	1.00
	B/S	1.00
	⊗ OD	1.28
	MONEL OD	31.40
1	DC/STB OD	28.15/4.30
1	DC/STB OD	29.00/4.45
4	DC's OD	118.71
7	HW	213.15
	BHA	
	STANDS ___ D.P.	
	SINGLES ___ D.P.	
	KELLY DOWN	2.0
	TOTAL	452.44
WT. OF STRING		30,000

BIT RECORD

BIT NO.	1
SIZE	12 1/4
IADC CODE	
MANUFACTURER	HTC
TYPE	MXC1
SERIAL NO.	R97SA
JETS	4x15
TFA	.69
DEPTH OUT	452
DEPTH IN	100
TOTAL DRILLED	352
TOTAL HOURS	10

CUTTING STRUCTURE: INNER | OUTER | DULL CHAR. | LOCATION

BEARINGS/SEALS | GAGE | OTHER DULL CHAR. | REASON PULLED

MUD RECORD

TIME			
WEIGHT			
PRESSURE GRADIENT			
FUNNEL VISCOSITY			
PV/YP	/	/	/
GEL STRENGTH	/	/	/
FLUID LOSS			
pH			
SOLIDS			

MUD & CHEMICALS ADDED

TYPE	AMOUNT	TYPE	AMOUNT

ATTACHMENT L

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IADC - API OFFICIAL DAILY DRILLING REPORT FORM

APPROVED APPROVED

FIELD OR DISTRICT	COUNTY	STATE/COUNTRY
Elk Hills	Kern	CA

	SIZE	MAKE	WEIGHT & GRADE		NO. JOINTS	LENGTH	RKB. TO CSG. HD.	SET AT
LAST CASING TUBING OR LINER	13 5/8	USS	48	H 40	2	88	12	100

WIRE LINE RECORD REEL NO.

SIZE	NO. LINES	LENGTH SLIPPED
1 1/4	6	

LENGTH CUT OFF | PRESENT LENGTH

WEAR OR TRIPS SINCE LAST CUT

CUMULATIVE WEAR OR TRIPS

DEPTH INTERVAL FROM	TO	DRILL_D REAM_R CORE_C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY TABLE SPEED	WT. ON BIT	PUMP PRESSURE	PUMP NO. 1 LINER SIZE	S.P.M.	PUMP NO. 2 LINER SIZE	S.P.M.	PUMP NO. 3 LINER SIZE	S.P.M.	PUMP NO. 4 LINER SIZE	S.P.M.	TOTAL PUMP OUTPUT

DEVIATION RECORD	DEPTH	DEV.	DIR.	TVD	HORIZ. DISP.	DEPTH	DEV.	DIR.	TVD	HORIZ. DISP.	DEPTH	DEV.	DIR.	TVD	HORIZ. DISP.

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS

DRILLER

DEPTH INTERVAL FROM	TO	DRILL_D REAM_R CORE_C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY TABLE SPEED	WT. ON BIT	PUMP PRESSURE	PUMP NO. 1 LINER SIZE	S.P.M.	PUMP NO. 2 LINER SIZE	S.P.M.	PUMP NO. 3 LINER SIZE	S.P.M.	PUMP NO. 4 LINER SIZE	S.P.M.	TOTAL PUMP OUTPUT
100	259	D		Sand & Clay	120	9/10	300	6"	110							307

DEVIATION RECORD	DEPTH	DEV.	DIR.	TVD	HORIZ. DISP.	DEPTH	DEV.	DIR.	TVD	HORIZ. DISP.	DEPTH	DEV.	DIR.	TVD	HORIZ. DISP.

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1730	18	1/2	2	Spud @ 1730 Drlg F/100 T/107
18	19	1	2	Drlg F/107 T/140.
19	20	1	2	Drlg F/140 T/169
20	21	1	2	Drlg F/169 T/209
21	22	1	2	Drlg F/209 T/259

WP 27
DN 25
ROT 116

Spud @ 1730 hrs on 3/21/02

Driller

DRILLER

DEPTH INTERVAL FROM	TO	DRILL_D REAM_R CORE_C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY TABLE SPEED	WT. ON BIT	PUMP PRESSURE	PUMP NO. 1 LINER SIZE	S.P.M.	PUMP NO. 2 LINER SIZE	S.P.M.	PUMP NO. 3 LINER SIZE	S.P.M.	PUMP NO. 4 LINER SIZE	S.P.M.	TOTAL PUMP OUTPUT
259	452	D		SAND & CLAY	120	9/10	600	6	110							307

DEVIATION RECORD	DEPTH	DEV.	DIR.	TVD	HORIZ. DISP.	DEPTH	DEV.	DIR.	TVD	HORIZ. DISP.	DEPTH	DEV.	DIR.	TVD	HORIZ. DISP.
	362	1 1/2°	S-20-W												

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
2200	23	1/2 1/2	5-6	Circ F/wiper Trip - W/H F/259'
23	00	1	6	Clean shales & Blt T/I. Hole T/259'
00	1	1	2	Drlg F/259' T/299
1	2	1	2	Drill F/299 T/329
2	3	1	2	Drill F/329 T/360
3	4	1	2	Drill F/360 T/391
4	5	1/2 1/2	2-10	Drill F/391 T/412 Circ T/Ser Survey @ 362
5	0600	1	2	Drill F/412 T/452

Anchor Com Acc.

UP 34
DN 26
ROT 86

DRILLER Richard Killian

ATTACHMENT L

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IADC - API OFFICIAL DAILY DRILLING REPORT FORM

APPROVED APPROVED

No. 1255150

NO. 1255151

DAILY DRILLING REPORT

REPORT NO.

LEASE	WELL NO.	API WELL NUMBER	DATE
Elk Hills	35-186	EPA FRS ID No. 110012191430	3/22/02

OPERATOR	CONTRACTOR	RIG NO.
Oxy	ND/USA	429

SIGNATURE OF OPERATOR'S REPRESENTATIVE: [signature]

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: BNA

D.P. SIZE	WEIGHT	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.
4 1/2	16.6	E	6 1/4	XH	115
4 1/2	42.	HW	6 1/4	XH	17

PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
1	OPI	700	8"

TIME

CODE NO. – OPERATION	MORN.	DAY	EVE.
1. RIG UP AND TEAR DOWN			
2. DRILL ACTUAL	6	4	7
3. REAMING			
4. CORING			
5. CONDITION MUD & CIRCULATE		1/2	
6. TRIPS	1	1	1/2
7. LUBRICATE RIG			
8. REPAIR RIG		2 1/2	
9. CUT OFF DRILLING LINE			
10. DEVIATION SURVEY	1		1/2
11. WIRE LINE LOGS			
12. RUN CASING & CEMENT			
13. WAIT ON CEMENT			
14. NIPPLE UP B.O.P.			
15. TEST B.O.P.			
16. DRILL STEM TEST			
17. PLUG BACK			
18. SQUEEZE CEMENT			
19. FISHING			
20. DIR. WORK			
21.			
22.			
23.			
COMPLETION A. PERFORATING			
B. TUBING TRIPS			
C. TREATING			
D. SWABBING			
E. TESTING			
F.			
G.			
H.			
TOTALS			

DAYWORK CHARGE TO PROJECT

HOURS W/CONTRL. D.P.			
HOURS W/OPR. D.P.			
HOURS WITHOUT D.P.			
HOURS STANDBY			
2 1/2 hrs			
TOTAL DAYWORK			
NO. OF DAYS FROM SPUD			
CUMULATIVE DRILLING HOURS			
DAILY MUD COST			

BIT RECORD

NO.	ITEM	LENGTH
	BIT 12 1/4	1.00
	B. Sub	1.00
	Stabilizer OD	1.28
	Monel OD	31.40
	DC/Sub OD	28.15/4.30
	DC/Sub OD	29.00/4.45
4	DC OD	118.71
12	HWDP	364.08
*	BHA	583.37
	STANDS ___ D.P.	
	SINGLES ___ D.P.	
	KELLY DOWN	40 –
	TOTAL	1623.00
WT. OF STRING	39 K	

BIT NO.	1		
SIZE	12 1/4		
IADC CODE			
MANUFACTURER	HTC		
TYPE	MXC1		
SERIAL NO.	R97JA		
JETS	4x15		
TFA			
DEPTH OUT	623		
DEPTH IN	100		
TOTAL DRILLED	523		
TOTAL HOURS	14		
CUTTING STRUCTURE INNER	OUTER	DULL CHAR.	LOCATION
BEARINGS/SEALS	GAGE	OTHER DULL CHAR.	REASON PULLED

MUD PROPERTIES

TIME	5:00	10:00	2
WEIGHT	9.2	9.3	9.4
PRESSURE GRADIENT			
FUNNEL VISCOSITY	43	43	43
PV/YP	/	/	/
GEL STRENGTH	/	/	/
FLUID LOSS			
pH			
SOLIDS			

MUD & CHEMICALS ADDED

TYPE	AMOUNT	TYPE	AMOUNT
GEL	15		
SP 101	4		
W.F.L. NUT	2		
ACID	1		

MORNING TOUR

BIT RECORD

NO.	ITEM	LENGTH
	BIT 12 1/4	100
	B.Sub	100/128
1	Monel OD	31.40/28.15
	Stb OD	4.30
1	DC OD	29.00
	STB OD	4.45
4	DC OD	118.71
16	HW	45[illegible]
*	BHA	[illegible]
2	STANDS	[illegible]
	SINGLES D.P.	
	KELLY DOWN	40
	TOTAL	[illegible]
WT. OF STRING	[illegible]	

BIT NO.	1		
SIZE	12 1/4		
IADC CODE			
MANUFACTURER	HTC		
TYPE	MXC1		
SERIAL NO.	R97JA		
JETS	4-4-5		
TFA			
DEPTH OUT	869		
DEPTH IN	100		
TOTAL DRILLED	769		
TOTAL HOURS	21		
CUTTING STRUCTURE INNER	OUTER	DULL CHAR.	LOCATION
BEARINGS/SEALS	GAGE	OTHER DULL CHAR.	REASON PULLED

MUD PROPERTIES

TIME	2:00	6:00	10:00
WEIGHT	9.5	9.6	9.6
PRESSURE GRADIENT			
FUNNEL VISCOSITY	43	42	43
PV/YP	/	/	/
GEL STRENGTH	/	/	/
FLUID LOSS			
pH			
SOLIDS			

MUD & CHEMICALS ADDED

TYPE	AMOUNT	TYPE	AMOUNT
Gel	16		
SP101	3		
Citric acid	1		

DAY TOUR

BIT RECORD

NO.	ITEM	LENGTH
	BIT 12 1/4	1.00
	B.Sub	1.00
1	Monel OD	31.40
	STB OD	4.30
1	DC OD	29.00
	STB OD	4.45
4	DC OD	118.71
16	HW	457.08
*	BHA	583.37
2	STANDS	[illegible]
	SINGLES D.P.	
	KELLY DOWN	40
	TOTAL	[illegible]
WT. OF STRING	[illegible]	

BIT NO.	1		
SIZE	12 1/4		
IADC CODE			
MANUFACTURER	HTC		
TYPE	MXC1		
SERIAL NO.	[illegible]		
JETS	[illegible]		
TFA			
DEPTH OUT	957		
DEPTH IN	869		
TOTAL DRILLED	88		
TOTAL HOURS	27		
CUTTING STRUCTURE INNER	OUTER	DULL CHAR.	LOCATION
BEARINGS/SEALS	GAGE	OTHER DULL CHAR.	REASON PULLED

MUD PROPERTIES

TIME	10:00	2:00	6:00
WEIGHT	9.6	9.6	9.6
PRESSURE GRADIENT			
FUNNEL VISCOSITY	45	45	45
PV/YP	/	/	/
GEL STRENGTH	/	/	/
FLUID LOSS			
pH			
SOLIDS			

MUD & CHEMICALS ADDED

TYPE	AMOUNT	TYPE	AMOUNT
SP101	2	Gel	4
Bar	5	Polymer	1
L. Nut	1		
Mo Plug	2		

EVENING TOUR

ATTACHMENT L

EPA FRS ID No. 110012191430

FIELD OR DISTRICT	COUNTY	STATE/COUNTRY
Elk Hills	Kern	CA

WIRE LINE RECORD	REEL NO.	
SIZE 1 1/8	NO. LINES 6	LENGTH SLIPPED
LENGTH CUT OFF		PRESENT LENGTH
WEAR OR TRIPS SINCE LAST CUT		
CUMULATIVE WEAR OR TRIPS		

LAST CASING TUBING OR LINER	SIZE	MAKE	WEIGHT & GRADE	NO. JOINTS	LENGTH	RKB. TO CSG. HD.	SET AT
	13 5/8	USS	48 H 40	2	88	12	100

452	623	D		Sand clay - Rock	100	7/10	600	6"	110										

DEVIATION RECORD	DEPTH	DEV.	DIR.	TVD	HORIZ. DISP.	DEPTH	DEV.	DIR.	TVD	HORIZ. DISP.	DEPTH	DEV.	DIR.	TVD	HORIZ. DISP.

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
				/ COM - Brakes - Anchor - Acc. Pressure
600	700	1	2	Drill F/452 T/502
7	8	½ ½	5-6	Cir - Wipe Hole T/Bit clean sides
8	9	1	8	Work on Dogs in Derrick
9	10	1	8	Work on Dogs in Derrick
10	11	½ - ½	8-6	Work on Dogs in Derrick - RIH T/463 Safety Ream T/502 cir
11	12	1	2	Drill F/502 - T/542
12	13	1	2	Drill F/542 - T/582
1300	1400	1	2	Drill F/582 - T/623

DRILLER [signature]

623	869	D		Sand & clay	100	7/10	700	6"	110										

DEVIATION RECORD	DEPTH	DEV.	DIR.	TVD	HORIZ. DISP.	DEPTH	DEV.	DIR.	TVD	HORIZ. DISP.	DEPTH	DEV.	DIR.	TVD	HORIZ. DISP.
	725	1½	S40W												

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
				/ Anchor Com Accum
14	15	1	2	Drlg F/623 T/663
15	16	1	2	Drlg F/663 T/703
16	17	1	2	Drlg F/703 T/745
17	18	1	2	Drlg F/745 T/775
18	19	½ ½	10-6	Circ & Survey F/725 Wipe Hole F/775 T/219 RIH F/775
19	20	1	2	Drlg F/775 T/806
20	21	1	2	Drlg F/806 T/837
21	22	1	2	Drlg F/837 T/869

UP 48
DN 42
ROT 45

DRILLER [signature]

869	1057	D		Sand, clay	180	7/10	700	6"	110										

SPR 40/100

DEVIATION RECORD	DEPTH	DEV.	DIR.	TVD	HORIZ. DISP.	DEPTH	DEV.	DIR.	TVD	HORIZ. DISP.	DEPTH	DEV.	DIR.	TVD	HORIZ. DISP.
	850'	2°	S40W												

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
				Anchor Com Acc. 3000
2200	2300	1	2	Drill F/869' T/900'
2300	0000	½ ½	10-2	Circ. Survey at 850' Drill F/900' T/915'
0000	0100	1	2	Drill F/915' T/946'
0100	0200	1	2	Drill F/946' T/[illegible]
0200	0300	1	2	Drill F/[illegible] T/[illegible]
0300	0400	½ ½	2-10	Drill F/[illegible] T/1025' Circ. Survey at 975'
0400	0500	1	6	Wipe [illegible] F/1025' T/219' RIH T/965' Safety Ream F/965' T/1025
0500	0600	1	2	Drill [illegible]

up wt 51
dn wt 46
Rot wt 48

DRILLER [signature]

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IADC [illegible] DAILY DRILLING REPORT FORM

APPROVED

No. 1255151

ATTACHMENT L

NO. 1255152

DAILY DRILLING REPORT

REPORT NO.

LEASE	WELL NO.	API WELL NUMBER	DATE
Elk Hills	35-186	EPA FRS ID No. 110012191430	3/23/02

OPERATOR: Occ

SIGNATURE OF OPERATOR'S REPRESENTATIVE: [signature]

CONTRACTOR: ND/USA

RIG NO.: 429

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: [signature]

D.P. SIZE	WEIGHT	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.
4½	16.6	E	6¼	XH	115
4½	42	HW	6¼	XH	17

PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
1	OPI	700	8

TIME DISTRIBUTION – HOURS

CODE NO. – OPERATION	MORN.	DAY	EVE.
1. RIG UP AND TEAR DOWN			
2. DRILL ACTUAL	7	7	7
3. REAMING			
4. CORING			
5. CONDITION MUD & CIRCULATE	½	½	
6. TRIPS	½		½
7. LUBRICATE RIG			
8. REPAIR RIG			
9. CUT OFF DRILLING LINE			
10. DEVIATION SURVEY		½	½
11. WIRE LINE LOGS			
12. RUN CASING & CEMENT			
13. WAIT ON CEMENT			
14. NIPPLE UP B.O.P.			
15. TEST B.O.P.			
16. DRILL STEM TEST			
17. PLUG BACK			
18. SQUEEZE CEMENT			
19. FISHING			
20. DIR. WORK			
21.			
22.			
23.			
COMPLETION A. PERFORATING			
B. TUBING TRIPS			
C. TREATING			
D. SWABBING			
E. TESTING			
F.			
G.			
H.			
TOTALS	8	8	8

DAYWORK TIME SUMMARY (OFFICE USE ONLY)

HOURS W/CONTR. D.P.			
HOURS W/OPR. D.P.			
HOURS WITHOUT D.P.			
HOURS STANDBY			
Other all Downtime			
TOTAL DAYWORK			
NO. OF DAYS FROM SPUD			
CUMULATIVE ROTATING HOURS			
DAILY MUD COST			
TOTAL MUD COST			

MORNING TOUR

DRILLING ASSEMBLY (At end of tour)

NO.	ITEM	LENGTH
	BIT 12¼	100
	B Sub / X over	100/128
	Monel OD	31.40
	DC/Stb OD	2815/430
	DC/Stb OD	2900/445
4	DC OD	118.71
16	HW OD	486.57
*	BHA	705.86
9	STANDS D.P.	559.76
	SINGLES D.P.	0
	KELLY DOWN	40
	TOTAL	1305
WT. OF STRING	51K	

BIT RECORD

BIT NO.	1		
SIZE	12¼		
IADC CODE			
MANUFACTURER	HTC		
TYPE	MXC1		
SERIAL NO.	R97JA		
JETS	4x15		
TFA			
DEPTH OUT	1305		
DEPTH IN	100		
TOTAL DRILLED	1205		
TOTAL HOURS	34		

CUTTING STRUCTURE: INNER | OUTER | DULL CHAR. | LOCATION

BEARINGS/SEALS | GAGE | OTHER DULL CHAR. | REASON PULLED

MUD RECORD

TIME	6	10	2
WEIGHT	9.6	9.6	9.6
PRESSURE GRADIENT			
FUNNEL VISCOSITY	41	44	43
PV/YP	/	/	/
GEL STRENGTH	/	/	/
FLUID LOSS			
pH			
SOLIDS			

MUD & CHEMICALS ADDED

TYPE	AMOUNT	TYPE	AMOUNT
GEL	10		
SP-101	2		
Acid	1		
Poly PAC	1		

DAY TOUR

DRILLING ASSEMBLY (At end of tour)

NO.	ITEM	LENGTH
	BIT 12¼	100
	B.S.B / X over	100/128
1	Monel / DC OD	31.40/28.15
	Stb OD	430
1	DC OD	8900
	Stb OD	445
4	DC OD	118.71
16	HW	486.57
*	BHA	705.86
12	STANDS D.P.	748.18
	SINGLES D.P.	
	KELLY DOWN	40
	TOTAL	1494
WT. OF STRING	54,000	

BIT RECORD

BIT NO.	1		
SIZE	12¼		
IADC CODE			
MANUFACTURER	HTC		
TYPE	MXC1		
SERIAL NO.	R97JA		
JETS	4-15		
TFA			
DEPTH OUT	1494		
DEPTH IN	100		
TOTAL DRILLED	1394		
TOTAL HOURS	41		

CUTTING STRUCTURE: INNER | OUTER | DULL CHAR. | LOCATION

BEARINGS/SEALS | GAGE | OTHER DULL CHAR. | REASON PULLED

MUD RECORD

TIME	2:00	6:00	10:00
WEIGHT	9.6	9.7	9.7
PRESSURE GRADIENT			
FUNNEL VISCOSITY	43	41	41
PV/YP	/	/	/
GEL STRENGTH	/	/	/
FLUID LOSS			
pH			
SOLIDS			

MUD & CHEMICALS ADDED

TYPE	AMOUNT	TYPE	AMOUNT
Gel	30		
SP101	3		
Bar	5		
Citric Acid	1		

EVENING TOUR

DRILLING ASSEMBLY (At end of tour)

NO.	ITEM	LENGTH
	BIT 12¼	1.00
1	B.Sub / X over	1.00/1.28
1	Monel OD	31.40/28.15
	Stb OD	4.30
1	D.C OD	29.00
	Stb OD	4.45
4	D.C OD	118.71
16	HWDP	486.57
*	BHA	705.86
15	STANDS D.P.	936.76
1	SINGLES D.P.	30.82
	KELLY DOWN	40.00
	TOTAL	1713
WT. OF STRING	57K	

BIT RECORD

BIT NO.	1		
SIZE	12¼		
IADC CODE			
MANUFACTURER	HTC		
TYPE	MXC1		
SERIAL NO.	R97JA		
JETS	4X15		
TFA			
DEPTH OUT	1713		
DEPTH IN	100		
TOTAL DRILLED	1613		
TOTAL HOURS	48		

CUTTING STRUCTURE: INNER | OUTER | DULL CHAR. | LOCATION

BEARINGS/SEALS | GAGE | OTHER DULL CHAR. | REASON PULLED

MUD RECORD

TIME	10:00	2:00	6:00
WEIGHT	9.7	9.7	9.7
PRESSURE GRADIENT			
FUNNEL VISCOSITY	45	45	45
PV/YP	/	/	/
GEL STRENGTH	/	/	/
FLUID LOSS			
pH			
SOLIDS			

MUD & CHEMICALS ADDED

TYPE	AMOUNT	TYPE	AMOUNT
SP101	1	PAC.R	2
Bar	4	PAC.UL	2
Nutplug	2		
C Acid	1		

ATTACHMENT L

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IADC - API OFFICIAL DAILY DRILLING REPORT FORM

APPROVED APPROVED

EPA FRS ID No. 110012191430

FIELD OR DISTRICT	COUNTY	STATE/COUNTRY
Elk Hills	Kern	CA

LAST CASING TUBING OR LINER	SIZE	MAKE	WEIGHT & GRADE	NO. JOINTS	LENGTH	RKB. TO CSG. HD.	SET AT
	13 3/8			2			100

WIRE LINE RECORD REEL NO.

SIZE	NO. LINES	LENGTH SLIPPED
1 1/8	6	

LENGTH CUT OFF | PRESENT LENGTH

WEAR OR TRIPS SINCE LAST CUT

CUMULATIVE WEAR OR TRIPS

FROM	TO																			TOTAL PUMP OUTPUT
1057	1305	D		Clay Sand	120	5/10	700	6	110											

DEVIATION RECORD	DEPTH	DEV.	DIR.	TVD	HORIZ. DISP.	DEPTH	DEV.	DIR.	TVD	HORIZ. DISP.	DEPTH	DEV.	DIR.	TVD	HORIZ. DISP.
	1193	3 1/2	S-5-W												

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
				✓ COM Anchor Beakes Acc.
600	700	1	2	Drill F/1057 T/1098 — UPSS K
7	8	1	2	Drill F/1098 T/1139 — Dn 49 K
8	9	1	2	Drill F/1139 T/1181 — RT 51 K
9	10	1	2	Drill F/1181 T/1221 — SPR 200 @ 40
10	11	1/2 - 1/2	2-10	Drill F/1221 T/1243 - circ survey @ 1193
11	12	1	2	Drill F/1243 T/1267
12	13	1	2	Drill F/1267 T/1291
1300	1400	1/2 1/2	2-5	Drill F/1291 T/1305 - circ clean — DRILLER [signature]

FROM	TO																			TOTAL PUMP OUTPUT
1305	1494	D		Sand & Clay	120	5/10	600	6	110											

DEVIATION RECORD	DEPTH	DEV.	DIR.	TVD	HORIZ. DISP.	DEPTH	DEV.	DIR.	TVD	HORIZ. DISP.	DEPTH	DEV.	DIR.	TVD	HORIZ. DISP.
	1318	3 1/2	S26W												

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
14	15	1/2 1/2	6-2	Wipe Hole F/1305 T/715 RIH T/1305 Drlg F/1305 T/1320
15	16	1	2	Drlg F/1320 T/1337
16	17	1	2	Drlg F/1337 T/1350 — Up 60
17	18	1/2 1/2	2-10	Drlg F/1350 T/1368 circ survey @ 1318 — DN 50
18	19	1	2	Drlg F/1368 T/1399 — Rot 54
19	20	1	2	Drlg F/1399 T/1431
20	21	1	2	Drlg F/1431 T/1462
21	22	1	2	Drlg F/1462 T/1494 — DRILLER [signature]

FROM	TO																			TOTAL PUMP OUTPUT
1494	1715	D		Sand, Clay	120	5/10	600	6"	110											

SPR 40/100

DEVIATION RECORD	DEPTH	DEV.	DIR.	TVD	HORIZ. DISP.	DEPTH	DEV.	DIR.	TVD	HORIZ. DISP.	DEPTH	DEV.	DIR.	TVD	HORIZ. DISP.

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
				✓ Anchor COM ACC 3000
2200	2300	1	2	Drill F/1494' T/1525' — up wt 63
2300	0000	1/2 1/2	5-6	Circ. at 1525' wipe hole F/1525' T/705 RIH T/1525' — dn wt 54
0000	0100	1	2	Drill F/1525' T/1556' — R wt 57
0100	0200	1	2	Drill F/1556' T/1587'
0200	0300	1	2	Drill F/1587' T/1619'
0300	0400	1	2	Drill F/1619' T/1651'
0400	0500	1	2	Drill F/1651' T/1682'
0500	0600	1	2	Drill F/1682' T/1713' — DRILLER [signature]

ATTACHMENT L

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IADC OFFICIAL DAILY DRILLING REPORT FORM

APPROVED APPROVED

No. 1255152

NO. 1255153

DAILY DRILLING REPORT

REPORT NO.

LEASE	WELL NO.	API WELL NUMBER	DATE
Elk Hills	35-18G	EPA FRS ID No. 110012191430	3-24-02

OPERATOR: Oxy

CONTRACTOR: ND/USA — RIG NO. 429

SIGNATURE OF OPERATOR'S REPRESENTATIVE: [signature]

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: [signature]

D.P. SIZE	WEIGHT	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.
4 1/2	E	16.6	6 1/4	XH	115
4 1/2	HW	42	6 1/4	XH	17

PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
1	OPI	700	8"

CODE NO. – OPERATION	MORN.	DAY	EVE.
1. RIG UP AND TEAR DOWN			
2. DRILL ACTUAL		2	
3. REAMING			
4. CORING			
5. CONDITION MUD & CIRCULATE	1	1	
6. TRIPS	4	4	
7. LUBRICATE RIG			
8. REPAIR RIG			
9. CUT-OFF DRILLING LINE			
10. DEVIATION SURVEY		1/2	
11. WIRE LINE LOGS		1/2	8
12. RUN CASING & CEMENT	1/2		
13. WAIT ON CEMENT			
14. NIPPLE UP B.O.P.			
15. TEST B.O.P.			
16. DRILL STEM TEST			
17. PLUG BACK			
18. SQUEEZE CEMENT			
19. FISHING			
20. DIR. WORK			
21. Other	2 1/2		
22.			
23.			
COMPLETION A. PERFORATING			
B. TUBING TRIPS			
C. TREATING			
D. SWABBING			
E. TESTING			
F.			
G.			
H.			
TOTALS	8	8	8

DAYWORK TIME SUMMARY (OFFICE USE ONLY)			
HOURS W/CONTR. D.P.			
HOURS W/OPR. D.P.			
HOURS WITHOUT D.P.			
HOURS STANDBY			
TOTAL DAYWORK			
NO. OF DAYS FROM SPUD			
CUMULATIVE ROTATING HOURS			
DAILY MUD COST			
TOTAL MUD COST			

MORNING TOUR

NO.	ITEM	LENGTH
	BIT 12 1/4	1.00
	B SUB	1.00 / 7.8
	monel OD	31.40
	DC/Std OD	28.75 / 4.30
	DC/Std OD	29.00 / 4.25
4	DC OD	118.7
16	HW OD	486.57
*	BHA	705.86
17	STANDS D.P.	1600
	SINGLES D.P.	
	KELLY DOWN	37.00
	TOTAL	1700
	WT. OF STRING	

BIT NO.	1		
SIZE	12 1/4		
IADC CODE			
MANUFACTURER	HTC		
TYPE	mxc1		
SERIAL NO.	R97JA		
JETS	4x15		
TFA			
DEPTH OUT	1800		
DEPTH IN	100		
TOTAL DRILLED	1700		
TOTAL HOURS	50		
CUTTING STRUCTURE: INNER / OUTER / DULL CHAR. / LOCATION			
BEARING SEALS / GAGE / OTHER DULL CHAR. / REASON PULLED			

TIME	1100		
WEIGHT	9.7		
PRESSURE GRADIENT			
FUNNEL VISCOSITY	45		
PV/YP	/	/	/
GEL STRENGTH	/	/	/
FLUID LOSS			
pH			
SOLIDS			
MUD & CHEMICALS ADDED: TYPE / AMOUNT / TYPE / AMOUNT			

DAY TOUR

NO.	ITEM	LENGTH
	BIT	
	STANDS D.P.	
	SINGLES D.P.	
	KELLY DOWN	
	TOTAL	
	WT. OF STRING	

BIT NO.			
SIZE			
IADC CODE			
MANUFACTURER			
TYPE			
SERIAL NO.			
JETS			
TFA			
DEPTH OUT			
DEPTH IN			
TOTAL DRILLED			
TOTAL HOURS			
CUTTING STRUCTURE: INNER / OUTER / DULL CHAR. / LOCATION			
BEARING SEALS / GAGE / OTHER DULL CHAR. / REASON PULLED			

TIME			
WEIGHT			
PRESSURE GRADIENT			
FUNNEL VISCOSITY			
PV/YP	/	/	/
GEL STRENGTH	/	/	/
FLUID LOSS			
pH			
SOLIDS			
MUD & CHEMICALS ADDED: TYPE / AMOUNT / TYPE / AMOUNT			

EVENING TOUR

NO.	ITEM	LENGTH
	BIT	
	OD	
	OD	
	OD	
	OD	
	OD	
	D.P.	
	D.P.	
	KELLY DOWN	
	TOTAL	
	WT. OF STRING	

BIT NO.			
SIZE			
IADC CODE			
MANUFACTURER			
TYPE			
SERIAL NO.			
JETS			
TFA			
DEPTH OUT			
DEPTH IN			
TOTAL DRILLED			
TOTAL HOURS			
CUTTING STRUCTURE: INNER / OUTER / DULL CHAR. / LOCATION			
BEARING SEALS / GAGE / OTHER DULL CHAR. / REASON PULLED			

TIME			
WEIGHT			
PRESSURE GRADIENT			
FUNNEL VISCOSITY			
PV/YP	/	/	/
GEL STRENGTH	/	/	/
FLUID LOSS			
pH			
SOLIDS			
MUD & CHEMICALS ADDED: TYPE / AMOUNT / TYPE / AMOUNT			

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IADC DAILY DRILLING REPORT FORM

APPROVED

ATTACHMENT L

EPA FRS ID No. 110012191430

FIELD OR DISTRICT: Elk Hills | COUNTY: Kern | STATE/COUNTRY: CA

LAST CASING TUBING OR LINER	SIZE	MAKE	WEIGHT & GRADE	NO. JOINTS	LENGTH	PKR. TO CSG. HD.	SET AT

WIRE LINE RECORD — REEL NO.

SIZE	NO. LINES	LENGTH SLIPPED
1 1/8	6	

LENGTH CUT OFF | PRESENT LENGTH

WEAR OR TRIPS SINCE LAST CUT

CUMULATIVE WEAR OR TRIPS

1713	[illegible]	D		Clay Sand	120	13/5	600	6	115																				

DEVIATION RECORD	DEPTH	DEV.	DIR.	TVD	HORIZ. DISP.	DEPTH	DEV.	DIR.	TVD	HORIZ. DISP.	DEPTH	DEV.	DIR.	TVD	HORIZ. DISP.
	1750'	6 1/2	S 10 W												

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
				✓ Com Brakes Anchor + Acc.
6	7	1	2	Drill f/1713 t/1756
7	8	1	2	Drill f/1756 t/1800
8	9	1/2 - 1/2	5 10	cir clean @ survey @ 1750'
9	10	1	6	Wiper Hole Steep out total 1061.85 Diff. = .05 wiper t/220
10	11	1	6	RIH t/1740 Safety Ream t/1800
11	12	1/2 - 1/2	5-6	cir clean - POOH f/ Logs
12	13	1	6	POOH f/Logs Dry Stabs
13	14	1/2 - 1/2	6-11	POOH Brk Sub & Lift Equipment HSM w/ Lesson

DRILLER: [illegible]

DEVIATION RECORD	DEPTH	DEV.	DIR.	TVD	HORIZ. DISP.	DEPTH	DEV.	DIR.	TVD	HORIZ. DISP.	DEPTH	DEV.	DIR.	TVD	HORIZ. DISP.

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
				✓ Anchor Com Accum
14	15	1	11	Held Tailgate Safety Mtg & Rig up Loggers + Log Platform Express
15	16	1	11	Log Platform Express
16	17	1	11	Log Platform Express
17	18	1	11	Down Platform Express Pickup & Test MDT
18	19	1	11	Log MDT
19	20	1	11	Log MDT 481, 483, 510
20	21	1	11	Log MDT 517'
21	22	1	11	Log MDT 604, 604, 716

DRILLER: [illegible]

DEVIATION RECORD	DEPTH	DEV.	DIR.	TVD	HORIZ. DISP.	DEPTH	DEV.	DIR.	TVD	HORIZ. DISP.	DEPTH	DEV.	DIR.	TVD	HORIZ. DISP.

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
				✓ Anchor Com Acc 3000
1200	2300	1	21	L/d Logging Tools R/U Loggers — Up wt 63
2300	0000	1	6	M/U BHA RIH — down wt 54
0000	0100	1/2 - 1/2	6-5	RIH f/ 1800' circ hole clean — Rot wt 57
0100	0200	1/2 - 1/2	5-6	Circ hole clean L/d D. Pipe
0200	0300	1	6	L/d D. Pipe L/d HWDP
0300	0400	1	6	L/d D. Collars
0400	0500	1	21	Clear Rig Floor
0500	0600	1	[illegible]	[illegible]

DRILLER: [illegible]

ATTACHMENT L

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IADC - API OFFICIAL DAILY DRILLING REPORT FORM

APPROVED

No. 1255153

NO. 1255154

DAILY DRILLING REPORT

REPORT NO.

LEASE	WELL NO.	API WELL NUMBER	DATE
Elk Hills	35-18G	EPA FRS ID No. 110012191430	3-25-02

OPERATOR	CONTRACTOR	RIG NO.
Oxy	N.D./USA	429

SIGNATURE OF OPERATOR'S REPRESENTATIVE: [signature]

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: [signature]

D.P. SIZE	WEIGHT	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.
4½	16.6	E	6¼	XH	115
4½	42	HW	6¼	XH	17

PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
1	OPI	700	8

MORNING TOUR

CODE NO. – OPERATION	MORN.	DAY	EVE.
1. RIG UP AND TEAR DOWN			
2. DRILL ACTUAL			
3. REAMING			
4. CORING			
5. CONDITION MUD & CIRCULATE			1
6. TRIPS			
7. LUBRICATE RIG			
8. REPAIR RIG			
9. CUT OFF DRILLING LINE			
10. DEVIATION SURVEY			
11. WIRE LINE LOGS			
12. RUN CASING & CEMENT	1	8	3
13. WAIT ON CEMENT			
14. NIPPLE UP B.O.P.			
15. TEST B.O.P.			
16. DRILL STEM TEST			
17. PLUG BACK			
18. SQUEEZE CEMENT			
19. FISHING			
20. DIR. WORK			
21. other	7		4
22.			
23.			
COMPLETION A. PERFORATING			
B. TUBING TRIPS			
C. TREATING			
D. SWABBING			
E. TESTING			
F.			
G.			
H.			
TOTALS		8	8

NO.	ITEM	LENGTH
	BIT	
	OD	
	OD	
	OD	
	OD	
	OD	
	STANDS ___ D.P.	
	SINGLES ___ D.P.	
	KELLY DOWN	
	TOTAL	
WT. OF STRING		

BIT NO.			
SIZE			
IADC CODE			
MANUFACTURER			
TYPE			
SERIAL NO.			
JETS			
TFA			
DEPTH OUT			
DEPTH IN			
TOTAL DRILLED			
TOTAL HOURS			
CUTTING STRUCTURE: INNER	OUTER	DULL CHAR.	LOCATION
BEARINGS/SEALS	GAGE	OTHER DULL CHAR.	REASON PULLED

TIME		1200	
WEIGHT		9.7	
PRESSURE GRADIENT			
FUNNEL VISCOSITY		34	
PV/YP	/	/	/
GEL STRENGTH	/	/	/
FLUID LOSS			
pH			
SOLIDS			
MUD & CHEMICALS ADDED: TYPE	AMOUNT	TYPE	AMOUNT

DAY TOUR

NO.	ITEM	LENGTH
	BIT	
	OD	
	OD	
	OD	
	OD	
	OD	
	STANDS ___ D.P.	
	SINGLES ___ D.P.	
	KELLY DOWN	
	TOTAL	
WT. OF STRING		

BIT NO.			
SIZE			
IADC CODE			
MANUFACTURER			
TYPE			
SERIAL NO.			
JETS			
TFA			
DEPTH OUT			
DEPTH IN			
TOTAL DRILLED			
TOTAL HOURS			
CUTTING STRUCTURE: INNER	OUTER	DULL CHAR.	LOCATION
BEARINGS/SEALS	GAGE	OTHER DULL CHAR.	REASON PULLED

TIME			
WEIGHT			
PRESSURE GRADIENT			
FUNNEL VISCOSITY			
PV/YP	/	/	/
GEL STRENGTH	/	/	/
FLUID LOSS			
pH			
SOLIDS			
MUD & CHEMICALS ADDED: TYPE	AMOUNT	TYPE	AMOUNT

EVENING TOUR

NO.	ITEM	LENGTH
	BIT	
	OD	
	OD	
	OD	
	OD	
	OD	
	STANDS ___ D.P.	
	SINGLES ___ D.P.	
	KELLY DOWN	
	TOTAL	
WT. OF STRING		

BIT NO.			
SIZE			
IADC CODE			
MANUFACTURER			
TYPE			
SERIAL NO.			
JETS			
TFA			
DEPTH OUT			
DEPTH IN			
TOTAL DRILLED			
TOTAL HOURS			
CUTTING STRUCTURE: INNER	OUTER	DULL CHAR.	LOCATION
BEARINGS/SEALS	GAGE	OTHER DULL CHAR.	REASON PULLED

TIME			
WEIGHT			
PRESSURE GRADIENT			
FUNNEL VISCOSITY			
PV/YP	/	/	/
GEL STRENGTH	/	/	/
FLUID LOSS			
pH			
SOLIDS			
MUD & CHEMICALS ADDED: TYPE	AMOUNT	TYPE	AMOUNT

DAYWORK TIME SUMMARY (OFFICE USE ONLY)			
HOURS W/CONTR. D.P.			
HOURS W/OPR. D.P.			
HOURS WITHOUT D.P.			
HOURS STANDBY			
Ohrs of Downtime			
TOTAL DAYWORK			
NO. OF DAYS FROM SPUD			
CUMULATIVE ROTATING HOURS			
DAILY MUD COST			
TOTAL MUD COST			

ATTACHMENT L

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IADC OFFICIAL DAILY DRILLING REPORT FORM

APPROVED APPROVED

EPA FRS ID No. 110012191430

FIELD OR DISTRICT	COUNTY	STATE/COUNTRY
Elk Hills	Kern	CA

LAST CASING TUBING OR LINER	SIZE	MAKE	WEIGHT & GRADE	NO. JOINTS	LENGTH	RKB. TO CSG. HD.	SET AT

WIRE LINE RECORD REEL NO.

SIZE	NO. LINES	LENGTH SLIPPED
1/8	6	

LENGTH CUT OFF | PRESENT LENGTH

WEAR OR TRIPS SINCE LAST CUT

CUMULATIVE WEAR OR TRIPS

[redacted]												PUMP NO. 3		PUMP NO. 4		TOTAL PUMP OUTPUT
												LINER SIZE	S.P.M.	LINER SIZE	S.P.M.	

DEVIATION RECORD	DEPTH	DEV.	DIR.	TVD	HORIZ. DISP.	DEPTH	DEV.	DIR.	TVD	HORIZ. DISP.	DEPTH	DEV.	DIR.	TVD	HORIZ. DISP.

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS ✓ COM Brakes Anchor - Acc press
600	700	1	12	HSM - Rig up tongs
700	800	1	12	Run Liner & csg
800	900	1	12	Run Liner + csg Run External Packing tool
900	1000	1	12	Run Liner + csg
1000	1100	1	12	Run Liner + csg - R/U Cementers
1100	1200	1	12	CIR HSM with all 3rd Parties involved
1200	1300	1	12	Test cmt lines - Attempt to Inflate E-C-P
1300	1400	1	12	Attempt to inflate ECP

DRILLER [signature]

[redacted]												PUMP NO. 3		PUMP NO. 4		TOTAL PUMP OUTPUT
												LINER SIZE	S.P.M.	LINER SIZE	S.P.M.	

DEVIATION RECORD	DEPTH	DEV.	DIR.	TVD	HORIZ. DISP.	DEPTH	DEV.	DIR.	TVD	HORIZ. DISP.	DEPTH	DEV.	DIR.	TVD	HORIZ. DISP.

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS ✓ Anchor COM Accum
14	15	1	5	CIRC csg
15	16	1	12	Held safety mtg w/ csg crew Rig up & Down Csg
16	17	1	12	Down csg
17	18	1	12	Down csg + ECP tool
18	19	1	21	Wait on ECP tool + csg to Be Recut (Work pipe)
19	20	1	21	Wait on ECP Tool + csg to BE Recut (Work pipe)
20	21	1	21	Wait on ECP Tool + csg TO BE RECUT (Work pipe)
21	22	1	21	Wait on ECP Tool + csg TO BE RECUT (Work pipe)

DRILLER [signature]

[redacted]												PUMP NO. 3		PUMP NO. 4		TOTAL PUMP OUTPUT
												LINER SIZE	S.P.M.	LINER SIZE	S.P.M.	

DEVIATION RECORD	DEPTH	DEV.	DIR.	TVD	HORIZ. DISP.	DEPTH	DEV.	DIR.	TVD	HORIZ. DISP.	DEPTH	DEV.	DIR.	TVD	HORIZ. DISP.

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS ✓ Anchor COM ACC. 3000
2200	2300	1	21	Load up csg to be Recut wait on ECP tool (csg take in at 10:30
2300	0000	1	21	wait on E-C-P tool + csg unload ECP tool (ECP tool Return at 11:30
0000	0100	1	21	wait on csg (Work pipe)
0100	0200	1	21	wait on csg (Work pipe)
0200	0300	1	21	wait on csg (Work pipe)
0300	0400	1	21	unload csg. Strap csg. Rt ECP on Pipe Racks
0400	0500	1	21	Held safety mtg and R/U to Run csg.
0500	06[illegible]	1	12	Run csg

DRILLER [signature]

ATTACHMENT L

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IADC - API OFFICIAL DAILY DRILLING REPORT FORM

APPROVED APPROVED

No. 1255154

NO. 1255155

DAILY DRILLING REPORT

REPORT NO.

LEASE	WELL NO.	API WELL NUMBER	DATE
Elk Hills	35 18-6	EPA FRS ID No. 110012191430	3-26-02

OPERATOR	CONTRACTOR	RIG NO.
Oxy	Pat Drilling	429

SIGNATURE OF OPERATOR'S REPRESENTATIVE

SIGNATURE OF CONTRACTOR'S TOOL PUSHER

D.P. SIZE	WEIGHT	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.
4 1/2	16.6	E	6 1/4	XH	115
4 1/2	42	HW	6 1/4	XH	17

PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
1	OPI	700	8"

TIME DISTRIBUTION – HOURS

CODE NO. – OPERATION	MORN.	DAY	EVE.
1. RIG UP AND TEAR DOWN			
2. DRILL ACTUAL			
3. REAMING			
4. CORING			
5. CONDITION MUD & CIRCULATE			
6. TRIPS			
7. LUBRICATE RIG			
8. REPAIR RIG			
9. CUT OFF DRILLING LINE			
10. DEVIATION SURVEY			
11. WIRE LINE LOGS			
12. RUN CASING & CEMENT		4	
13. WAIT ON CEMENT			
14. NIPPLE UP B.O.P.		4	1
15. TEST B.O.P.			
16. DRILL STEM TEST			
17. PLUG BACK			
18. SQUEEZE CEMENT			
19. FISHING			
20. DIR. WORK			
21.			
22.			
23.			
COMPLETION: A. PERFORATING			
B. TUBING TRIPS			
C. TREATING			
D. SWABBING			
E. TESTING			
F.			
G.			
H.			
TOTALS		8	1

DAYWORK TIME SUMMARY (OFFICE USE ONLY)			
HOURS W/CONTR. D.P.			
HOURS W/OPR. D.P.			
HOURS WITHOUT D.P.			
HOURS STANDBY			
0 hrs of Downtime			
TOTAL DAYWORK			
NO. OF DAYS FROM SPUD			
CUMULATIVE ROTATING HOURS			
DAILY MUD COST			
TOTAL MUD COST			

MORNING TOUR

DRILLING ASSEMBLY (At end of tour)

NO.	ITEM	LENGTH
	BIT	
	OD	
	OD	
	OD	
	OD	
	OD	
	STANDS ___ D.P.	
	SINGLES ___ D.P.	
	KELLY DOWN	
	TOTAL	
WT. OF STRING		

BIT RECORD

BIT NO.		
SIZE		
IADC CODE		
MANUFACTURER		
TYPE		
SERIAL NO.		
JETS		
TFA		
DEPTH OUT		
DEPTH IN		
TOTAL DRILLED		
TOTAL HOURS		

CUTTING STRUCTURE: INNER	OUTER	DULL CHAR.	LOCATION

BEARINGS/ SEALS	GAGE	OTHER DULL CHAR.	REASON PULLED

MUD RECORD

TIME			
WEIGHT			
PRESSURE GRADIENT			
FUNNEL VISCOSITY			
PV/YP	/	/	/
GEL STRENGTH	/	/	/
FLUID LOSS			
pH			
SOLIDS			

MUD & CHEMICALS ADDED: TYPE	AMOUNT	TYPE	AMOUNT

DAY TOUR

DRILLING ASSEMBLY (At end of tour)

NO.	ITEM	LENGTH
	BIT	
	OD	
	OD	
	OD	
	OD	
	OD	
	STANDS ___ D.P.	
	SINGLES ___ D.P.	
	KELLY DOWN	
	TOTAL	
WT. OF STRING		

BIT RECORD

BIT NO.		
SIZE		
IADC CODE		
MANUFACTURER		
TYPE		
SERIAL NO.		
JETS		
TFA		
DEPTH OUT		
DEPTH IN		
TOTAL DRILLED		
TOTAL HOURS		

CUTTING STRUCTURE: INNER	OUTER	DULL CHAR.	LOCATION

BEARINGS/ SEALS	GAGE	OTHER DULL CHAR.	REASON PULLED

MUD RECORD

TIME			
WEIGHT			
PRESSURE GRADIENT			
FUNNEL VISCOSITY			
PV/YP	/	/	/
GEL STRENGTH	/	/	/
FLUID LOSS			
pH			
SOLIDS			

MUD & CHEMICALS ADDED: TYPE	AMOUNT	TYPE	AMOUNT

EVENING TOUR

DRILLING ASSEMBLY (At end of tour)

NO.	ITEM	LENGTH
	BIT	
	OD	
	OD	
	OD	
	OD	
	OD	
	STANDS ___ D.P.	
	SINGLES ___ D.P.	
	KELLY DOWN	
	TOTAL	
WT. OF STRING		

BIT RECORD

BIT NO.		
SIZE		
IADC CODE		
MANUFACTURER		
TYPE		
SERIAL NO.		
JETS		
TFA		
DEPTH OUT		
DEPTH IN		
TOTAL DRILLED		
TOTAL HOURS		

CUTTING STRUCTURE: INNER	OUTER	DULL CHAR.	LOCATION

BEARINGS/ SEALS	GAGE	OTHER DULL CHAR.	REASON PULLED

MUD RECORD

TIME			
WEIGHT			
PRESSURE GRADIENT			
FUNNEL VISCOSITY			
PV/YP	/	/	/
GEL STRENGTH	/	/	/
FLUID LOSS			
pH			
SOLIDS			

MUD & CHEMICALS ADDED: TYPE	AMOUNT	TYPE	AMOUNT

ATTACHMENT L

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APPROVED APPROVED

BK10438404

EPA FRS ID No. 110012191430

FIELD OR DISTRICT	COUNTY	STATE/COUNTRY
Elk Hills	Kern	CA/USA

LAST CASING TUBING OR LINER	SIZE	MAKE	WEIGHT & GRADE	NO. JOINTS	LENGTH	RKB. TO CSG. HD.	SET AT

WIRE LINE RECORD	REEL NO.	
SIZE 1 1/8	NO. LINES 6	LENGTH SLIPPED
LENGTH CUT OFF		PRESENT LENGTH
WEAR OR TRIPS SINCE LAST CUT		
CUMULATIVE WEAR OR TRIPS		

DEPTH INTERVAL FROM	TO	DRILL_D REAM_R CORE_C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY TABLE SPEED	WT. ON BIT	PUMP PRESSURE	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	PUMP NO. 3 LINER SIZE	PUMP NO. 3 S.P.M.	PUMP NO. 4 LINER SIZE	PUMP NO. 4 S.P.M.	TOTAL PUMP OUTPUT

DEVIATION RECORD	DEPTH	DEV.	DIR.	TVD	HORIZ. DISP.	DEPTH	DEV.	DIR.	TVD	HORIZ. DISP.	DEPTH	DEV.	DIR.	TVD	HORIZ. DISP.

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
				✓ COM - Brakes - Anchors - Acc.
6	7	1	12	Run 8 5/8 Casing @ 1791
7	8	1	12	Rig up Cmnters - HSM test Lines
8	9	1	12	inflate ECP - Drop Bomb - insert wiper plug - cmt csg
9	10	1	12	cmt Casing (CIP @ 9:30 hrs) Rig Down Cmnters - Wash out BOP
10	11	1	14	Nipple Down 6" Div - Acc Lines + Flow Line (Dump + clean Pits)
11	12	1	14	Nipple Down P-Nipple + BOP (Dump + Clean Pits)
12	13	1	14	Pick up BOP - cut csg - Set on BOP - cut off Flange make Final cut on csg
13	14	1	14	Set in Well Head + Weld on (clean Pits)

DRILLER [illegible]

DEPTH INTERVAL FROM	TO	DRILL_D REAM_R CORE_C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY TABLE SPEED	WT. ON BIT	PUMP PRESSURE	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	PUMP NO. 3 LINER SIZE	PUMP NO. 3 S.P.M.	PUMP NO. 4 LINER SIZE	PUMP NO. 4 S.P.M.	TOTAL PUMP OUTPUT

DEVIATION RECORD	DEPTH	DEV.	DIR.	TVD	HORIZ. DISP.	DEPTH	DEV.	DIR.	TVD	HORIZ. DISP.	DEPTH	DEV.	DIR.	TVD	HORIZ. DISP.

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1400	1500	1	15	Weld on Prod. Flange Test Flange. Secure Well
				Release Rig @ 15:00 Hrs 3-26-02
				Released Rig @ 1500 hrs
				ON 3/26/02 - [illegible]

DRILLER Richard Killian

DEPTH INTERVAL FROM	TO	DRILL_D REAM_R CORE_C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY TABLE SPEED	WT. ON BIT	PUMP PRESSURE	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	PUMP NO. 3 LINER SIZE	PUMP NO. 3 S.P.M.	PUMP NO. 4 LINER SIZE	PUMP NO. 4 S.P.M.	TOTAL PUMP OUTPUT

DEVIATION RECORD	DEPTH	DEV.	DIR.	TVD	HORIZ. DISP.	DEPTH	DEV.	DIR.	TVD	HORIZ. DISP.	DEPTH	DEV.	DIR.	TVD	HORIZ. DISP.

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS

DRILLER

ATTACHMENT L

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