FORM 159 (9-49)

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL AND GAS

REPORT OF WELL ABANDONMENT

Bakersfield California

October 1, 1959

Mr. John Qualman, Jr.
P O Box 1425
Bakersfield, Calif.
Agent for TRICO OIL AND GAS CO.

DEAR SIR:

Your report of abandonment of Well No. "KCL" 16X-30, Sec. 30, T. 26S, R. 26E, MD B. & M., -- field, Kern County, dated August 27, 1959, has been examined in conjunction with records filed in this office.

A review of the reports and records shows that the requirements of this Division, which are based on all information filed with it, have been fulfilled.

JCS:cw
cc-Co.
-Kern County Land Co.
-Conservation Committee (2)

E. H. MUSSER
State Oil and Gas Supervisor

By G. G. Perrie
Deputy Supervisor

84442 9-58 10M SPO

MAP & BOOK

STATUS

Completed Producing_____
Recompleted Producing_____
Completed Abandoned_____
Uncompleted Abandoned 7-20-59
Idle_____

RECORDS

Received 9-18-59 Needed

2 Well Summary_____
2 History_____
2 Log & Core_____
Lge Sm Elec Log(s) Lge Sm
Direct. Survey_____
Other_____

Location_____
Elevation_____
Release bond Blanket
Hold bond___ Reason_____
Final letter 10-1-59
~~150b~~
~~170~~
121½ cw
~~Card~~
cw

ENGINEERS

1. Log, history & core record (dupl)
2. Electric log
3. Operator name & well designation
4. Location
5. Elevation ~~change in 121~~ noted
6. Signature
7. Notices
8. "T" reports
9. Casing record
10. Plugs
11. Production
12. Wildcat cards
13. Map and Book
14. Surface Inspection YES

APPROVED X NOT APPROVED FOR THE FOLLOWING REASON_____

Form 19-4T

Records O.K
9-21-59
J.A.S.

FORM 100

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

WELL SUMMARY REPORT

SUBMIT IN DUPLICATE

DIVISION OF OIL AND GAS
RECEIVED
SEP 18 1959
BAKERSFIELD, CALIFORNIA

Operator Trico Oil & Gas Company Well No. "KCL" 16X-30

Sec. 30, T. 26 S., R. 26 E., M.D. B. & M. Field Kern County.

Location 1650' North and 200' East from Southwest corner Section 30.
(Give distance from two lines of street center lines)

Elevation of ground above sea level 389 feet

All depth measurements taken from top of Kelly Bushing which is 10 feet above ground.
(Rotary Table or Kelly Bushing)

In compliance with Sec. 3215, of the Public Resources Code, the information given herewith is a complete and correct record of the present condition of the well and all work done thereon, so far as can be determined from all available records.

Date August 27, 1959

Signed John Qualman, Jr.

C. W. Porter (Engineer or Geologist) Gordon Wells (Superintendent) Title Vice President (President, Secretary or Agent)

Commenced drilling July 14, 1959

Completed drilling July 20, 1959

Total depth 3500' Plugged depth

Junk None

GEOLOGICAL MARKERS DEPTH

Geologic age at total depth: Etchegoin

ABANDONED: July 20, 1959 ~~xxxxxxxxxxxxxxx~~ (Date) ~~xxxxxxxxxxxxxxxxxx~~ (Cross out unnecessary word)

Name of producing zone

	Clean Oil Bbl. per day	Gravity Clean Oil	Percent Water in Emulsion	Gas Mcf. per day	Tubing Pressure	Casing Pressure
Initial production			NEVER	PRODUCED		
Production after 30 days						

CASING RECORD (Present Hole)

Size of Casing (A.P.I.)	Depth of Shoe	Top of Casing	Weight of Casing	Newly Cut and Hand	Seamless or Lap Weld	Grade of Casing	Size of Hole Drilled	Number of Sacks of Cement	Depth of Cementing if through perforations
10-3/4"	488'	0	32.75#	New	Seamless	H-40	15"	320	

PERFORATED CASING
(Size, top, bottom, perforated intervals, size and spacing of perforation and method.)

NONE

Electrical Log Depths Schulumberger 488' to 3500'. (Attach Copy of Log)

FORM 103

SUBMIT IN DUPLICATE

STATE OF CALIFORNIA

DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

DIVISION OF OIL AND GAS
RECEIVED
SEP 18 1959
BAKERSFIELD, CALIFORNIA

History of Oil or Gas Well

OPERATOR Trico Oil & Gas Company FIELD

Well No. KCL 16X-30, Sec. 30, T. 26 S., R. 26 E., M.D. B. & M.

Date August 28, 1959 Signed John Rudnarp

1825 - 18th St., Bakersfield FA: 3-0070 Title Vice President

(Address) (Telephone Number) (President, Secretary or Agent)

It is of the greatest importance to have a complete history of the well. Use this form to report a full account of all important operations during the drilling and testing of the well or during re-drilling, altering of casing, plugging, or abandonment with the dates thereof. Be sure to include such items as hole size, formation test details, amounts of cement used, top and bottom of plugs, perforation details, sidetracked junk, bailing tests, shooting and initial production data.

Date	
1959	
7-14	Moved in equipment and rigged up. (Gary Core Drilling Co., Contractor) Spudded in.
7-15	Drilled 9-7/8" hole to 488'. Opened hole with 15" bit to 488'. Ran and cemented 10-3/4", 32.75#, H-40 casing at 488' with 136 sacks construction cement mixed with 136 cu. ft. Sealite and 4% gel, followed by 100 sacks neat cement at the shoe. Returns to surface.
7-16	Drilled 9-7/8" hole to 2015'.
7-18	Drilled 8-3/4" hole to 3500', Total depth.
7-19	Ran Schlumberger Induction - Electrical Log and sidewall sampler. Pumped in 100 sacks of cement through 3-1/2" drill pipe hanging at 1750'. Located top of the cement plug at 1515'. The location and hardness of the cement plug at 1515' was witnessed and approved by the Division of Oil & Gas. Pumped in 50 sacks of cement through 3-1/2" drill pipe hanging at 508'. Located top of cement plug at 385'.
7-20	Cut off 10-3/4" surface casing at cellar floor 4' below the surface and filled top 10' with cement. Well abandoned with no commercial showings of oil or gas encountered.

DIVISION OF OIL AND GAS
RECEIVED
SEP 18 1959
BAKERSFIELD, CALIFORNIA

Trico Oil and Gas Company Sec. 30, T. 26 S., R. 26 E.,

Well: KCL 16X-30

SCHLUMBERGER SIDEWALL SAMPLES

No.	Depth	Rec.	Description
1.	1524'	2-1/2"	Sand, dull green gray, fine grained, fairly well sorted, easily friable, loose, matrix is clean of silt, common fine biotite, good porosity.
2.	2036	2-1/2"	Sand, green gray, fine grained, easily friable and loose, same common biotite, quartz grains are sharp and angular, variegated minerals noted.
2A.	2038	2"	Sand, green gray, fine grained, but includes scattered to common angular milky quartz, same common biotite and chlorite, easily friable, loose, good porosity.
3.	2104	2"	Sand, dull dark gray, very fine grained, "sugar sand", silty, common biotite, could be called a sandy silt, porosity low.
4.	2240	2"	Sand, gray, fine grained, but includes scattered angular quartz granules, common biotite, large fragments of carbonized wood noted, loose, friable, good porosity.
4.	2240	2"	Sand, gray, fine grained, but includes scattered angular quartz granules, common biotite, large fragments of carbonized wood noted, loose, friable, good porosity.
5.	2414	2-1/2"	Sand, gray, fine to medium grained but includes common angular milky quartz granules, common biotite, matrix includes pale green bentonite, fragments of carbonized wood.
6.	2688	1-1/2"	Claystone, dull green, waxy, common rotten megafossil shell fragments. "Coquina claystone".
7.	2755	1"	Coquina clay, dull green gray, massive, finely sandy, some common rotten pelecypod shell fragments.
8.	2842	2"	Sand, dull green, fine to coarse grained, poorly sorted, easily friable, loose, common biotite, buff tan shale pebbles noted, milky quartz granules, pelecypod and oyster shell fragments. Good porosity.

Trico Oil and Gas Company

Sec. 30, T. 26 S., R. 26 E.

DIVISION OF OIL AND GAS
RECEIVED
SEP 18 1959
BAKERSFIELD, CALIFORNIA

Well: KCL 16X-30

No.	Depth	Rec.	Description
9.	2948'	3"	Sand, dirty green gray, fine grained, massive but friable, poorly sorted, common biotite, scattered milky quartz granules, thin dull gray with claystone partings, rotten megafossils - Mulinia.
10.	3117	2"	Sand, greenish gray, medium grained, easily friable, loose, common biotite, milky quartz and black chert granules, poorly preserved megafossil fragments.
11.	3399	3"	Sand, green gray, fine grained but poorly sorted, common granules of feldspar and quartz, massive, matrix very silty and clayey, some common poorly preserved pelecypod fragments.

Total Depth: 3,500'

FORM 109-D

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

Special Report on Operations Witnessed

No. TB 459-444

Mr. John Qualman
P O Box 1425
Bakersfield California

Bakersfield Calif.
August 7 1959

Agent for TRICO OIL AND GAS CO

DEAR SIR:

Operations at your well No. "KCL" 16X-30, Sec. 30, T. 26 S, R. 26 E, M D B & M. - Field, in Kern County, were witnessed on July 19, 1959. Mr. John Sullivan, representative of the supervisor was present from 6:45 p.m. to 7:30 p.m. There were also present W Phillips, Drilling Superintendent; D Jenkins, Drilling Foreman.

Present condition of well: 10-3/4" cem. 488', T.D. 3500', plugged with cement 1750-1515'.

The operations were performed for the purpose of plugging the hole in the process of abandonment.

Mr. Phillips reported:

1. A 9-7/8" hole was drilled from 488' to 2015' and an 8-3/4" to 3500'.
2. On July 19, 1959, 100 sacks of cement was pumped into the hole through 3-1/2" drill pipe hanging at 1750'.

The Inspector noted that the cement plug at the reported depth of 1515' supported 10 tons of the weight of the drill pipe.

DECISION:
THE LOCATION AND HARDNESS OF THE CEMENT PLUG AT THE REPORTED DEPTH OF 1515' IS APPROVED.

Inspector J.R. Weddle visited the location and noted set cement in the surface casing and no seepage apparent.

cc - Co (Oakland)
KCL Co

W.P./J.C.S.

E. H. MUSSER
State Oil and Gas Supervisor

By [signature] Deputy

JS/dm 63193 9-57 17M ② SPO

FORM 111

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

REPORT ON PROPOSED OPERATIONS

No. P B 459-412

Mr. John Qualman
P O Box 1425
Bakersfield California
Agent for TRICO OIL AND GAS CO

Bakersfield Calif.
July 27 1959

DEAR SIR:

Your proposal to abandon Well No. "KCL" 16X-30,

Section 30, T. 26 S, R. 26 E, M D B. & M., - ~~Field~~, Kern County,

dated July 20, 1959, received July 21, 1959, has been examined in conjunction with records filed in this office.

Present conditions as shown by the records and the proposal are as follows:

THE NOTICE STATES:
"The present condition of the well is:
1. Total Depth: 3500'.
2. Complete casing record, including plugs: 10-3/4", 32# casing cemented at 488' with 136 sacks of construction cement mixed with 136 cu. ft. sealite, 4% gel, plus 100 sacks of neat cement at shoe.
3. Last Produced: Not a producer.
ADDITIONAL DATA FOR DRY HOLE
4. Oil or Gas showings and results of tests: None.
5. Geologic age at bottom: Etchegoin.
6. Base of fresh water sands: 1600'."

PROPOSAL:
"The proposed work is:
1. Pump in 100 sacks of cement thru 3½" drill pipe hanging at 1750', feel for top of plug at approximately 1515'. Notify the Division of Oil and Gas to witness location and harndess of the cement plug.
2. Pump in 50 sacks of cement thru 3½" drill pipe hanging at 508' and feel for top of plug at approximately 385'.
3. Cap well at surface with a10' cement plug and abandon well. All portions of the hole not filled with cement will be left full of heavy mud fluid.

DECISION:
THE PROPOSAL, COVERING WORK ALREADY COMPLETED IN ACCORDANCE WITH PRIOR AGREEMENT, IS APPROVED.

Blanket Bond
cc -(Oakland)

E. H. MUSSER, State Oil and Gas Supervisor

By G. G. Perrel, Deputy

96787 4-59 50M SPO

FORM 108. 25462 10-55 25,550 ④ SPO

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

DIVISION OF OIL AND GAS
RECEIVED
JUL 21 1959
BAKERSFIELD, CALIFORNIA

Notice of Intention to Abandon Well

This notice must be given at least five days before work is to begin; one copy only

Bakersfield, Calif. July 20, 1959

DIVISION OF OIL AND GAS

In compliance with Division 3, Public Resources Code, notice is hereby given that it is our intention to abandon

Well No. "KCL" 16X-30, Sec. 30, T. 26 S.,

R. 26 E., M. D. B. & M., - Field, Kern County,

commencing work on July 20th 1959.

THE PRESENT CONDITION OF THE WELL IS:

1. Total Depth: 3500'

2. Complete casing record, including plugs:

10-3/4", 32# casing cemented at 488' with 136 sacks of construction cement mixed with 136 cu. ft. sealite, 4% gel, plus 100 sacks of neat cement at shoe.

3. Last Produced Not a producer
(Date) (Oil, B/D) (Water, B/D)

ADDITIONAL DATA FOR DRY HOLE

4. Oil or Gas showings and results of tests:

None

5. Stratigraphic markers and depths:

6. Geologic age at bottom: Etchegoin

7. Base of fresh water sands: 1600'

THE PROPOSED WORK IS

1. Pump in 100 sacks of cement thru 3½" drill pipe hanging at 1750', feel for top of plug at approximately 1515'. Notify the Division of Oil and Gas to witness location and hardness of the cement plug.
2. Pump in 50 sacks of cement thru 3½" drill pipe hanging at 508' and feel for top of plug at approximately 385'.
3. Cap well at surface with a 10' cement plug and abandon well. All portions of the hole not filled with cement will be left full of heavy mud fluid.

Abandon

Reference to file of date

Map & Book	U S		Cal	Forms	
				114	
	no	Blanket	✓	1836	6K

P. O. Box 1425, Bakersfield, California
(Address)

Fairview 3-0070
(Telephone No.)

TRICO OIL AND GAS COMPANY
(Name of Operator)

By John Qualman, Jr. R.E.
John Qualman, Jr., Vice President

ADDRESS ONE COPY OF NOTICE TO DIVISION OF OIL AND GAS IN DISTRICT WHERE WELL IS LOCATED

FORM 109-D

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

Special Report on Operations Witnessed

No. T B 459-398

Mr. John Qualman
P O Box 1425
Bakersfield California

Bakersfield Calif.
July 20 1959

Agent for TRICO OIL AND GAS CO

DEAR SIR:

Operations at your well No. "KCL" 16X-30, Sec. 30, T. 26 S, R. 26 E, M D B & M.
- Field, in Kern County, were witnessed
on July 16, 1959. Mr. John Sullivan, representative of the supervisor was present
from 11:30 a.m to 11:55 a.m. There were also present B Ware, Driller; L Brown, Derrickman.

Present condition of well: 10-3/4" cem. 488', T.D. 1564' (Drilling).

The operations were performed for the purpose of inspecting the blowout prevention equipment and installation.

Mr. - reported:

THE BLOWOUT PREVENTION EQUIPMENT AND INSTALLATION ARE APPROVED.

cc - Co (Oakland)
KCL Co

E. H. MUSSER
State Oil and Gas Supervisor

By G. L. Ford Deputy

JS/dm 63193 9-57 17M SPO

Form 109-D

(B O P E)

Kern County

Company Trico Oil And Gas Company

Well No. "KCL" 16X-30

The Inspector was present at the well from 11 30 AM to 11 55 AM on July 16 1958 and noted that the well was equipped with the following blowout prevention equipment.

1. A Shaffer double control gate for closing in the well with the drill pipe out of the hole, and for closing around the 4 1/2 " drill pipe.

-. A _____ for closing in the well with the drill pipe out of the hole.

-. A _____ for closing around the _____ " drill pipe.

2. The controls for the above equipment were located outside the derrick.

3. A 2 " mud fill-up line with a 2 " high pressure stopcock into the 10 3/4 " casing below the above equipment.

4. A high pressure stopcock -- on the kelly/goose neck/ stand pipe.

Mr. Ware reported:

1. A 15 " hole was drilled from the surface to 488 ' and a _____ " to _____ '

2. On July 15 1959, 10 3/4 " 32.75 lb. casing was cemented at 488 ' with 136 sacks of cement, premixed with 136 cu. ft. of perlite and 4 % gel and followed by 100 sacks of neat cement.

3. Cement returned ~~did not return~~ to the surface.

-. An additional _____ sacks of cement was placed around the _____ " casing from the surface.

4. The Shaffer positive rams ~~and the~~ _____ were ~~each~~ tested under 700 lb for 30 min. _____ lb for _____ min., and _____ lb for _____ min. respectively.

5. A 9 7/8 " hole was being drilled ahead at 1564 '.

THE BLOWOUT PREVENTION EQUIPMENT AND INSTALLATION ARE APPROVED.

FORM 111

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

REPORT ON PROPOSED OPERATIONS

No. P B 459-382

Mr. John Qualman
P O Box 1425
Bakersfield California
Agent for TRICO OIL AND GAS CO

Bakersfield Calif.
July 14 1959

DEAR SIR:

Your ____ proposal to drill Well No. "KCL" 16X-30,

Section 30, T. 26 S, R. 26 E, M D B. & M., - ~~Field~~, Kern County,

dated July 10, 1959, received July 13, 1959, has been examined in conjunction with records filed in this office.

Present conditions as shown by the records and the proposal are as follows:

THE NOTICE STATES:
"Legal description of mineral right lease, consisting of 640 acres, is as follows:
All of Sec. 30.
Do mineral and surface leases coincide? Yes.
Location of Well: 1650' North along section line and 200' East at right angles to said line from the Southwest corner of section 30.
Elevation of ground above sea level: 387'.
All depth measurements taken from top of Kelly Bushing which is 10' above ground."

PROPOSAL:

"PROPOSED CASING PROGRAM

Size of Casing Inches A.P.I.	Weight	Grade and Type	Top	Bottom	Cementing Depths
10-3/4"	32.75#	H-40	0	500'	Cement to surface
5½"	15.5#	J-55	0	3500'	Cement at 3500'

Intended zone or zones of completion: Etchegoin.
Estimated total depth: 3500'.
It is understood that if changes in this plan become necessary we are to notify you before running casing."

DECISION:
THE PROPOSAL IS APPROVED PROVIDED THAT:
1. Fluid consistent with good drilling practice shall be used, and the column of fluid maintained to the surface at all times, particularly while pulling the drill pipe.
2. Sufficient cement shall be pumped back of the 10-3/4" casing to fill to the surface.
3. Adequate blowout prevention equipment shall be installed and maintained in operating condition at all times.
4. Fresh water and oil or gas zones back of the 5-1/2" casing shall be protected, either by lifting cement or by multiple-stage cementing.
5. THIS DIVISION SHALL BE NOTIFIED:
   a. TO INSPECT the blowout prevention equipment prior to drilling below a depth of 1000'.
   b. TO WITNESS a test of the 5-1/2" water shut-off.

M/4

Wells/Sullivan 7-19-59
T.D. 3500 base fresh waters 1730± good shale 1750'-1850' hg @ 1800± 510-548'd 10' @ surface

Blanket Bond
cc - Co (Oakland)
KCL Co

E. H. MUSSER, State Oil and Gas Supervisor

By G G Peace, Deputy

96787 4-59 50M SPO

FORM 105

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

Notice of Intention to Drill New Well

This notice and surety bond must be filed before drilling begins

DIVISION OF OIL AND GAS
RECEIVED
JUL 13 1959
BAKERSFIELD, CALIFORNIA

E

29-30614

Bakersfield, Calif. July 10, 1959

DIVISION OF OIL AND GAS

In compliance with Section 3203, Division III, Article 4, Public Resources Code, notice is hereby given that it is our intention to commence the work of drilling well No. KCL 16X-30, Sec. 30, T. 26 S., R. 26 E., M. D. B. & M., -, Field, Kern County.

Legal description of mineral right lease, consisting of 640 acres, is as follows: All of Sec. 30
(Attach map or plat to scale)

Do mineral and surface leases coincide? Yes X No ____ If answer is no, attach legal description of both surface and mineral leases, and map or plat to scale.

Location of Well: 1650 feet North (Direction) along section line and 200 feet East (Direction) at right angles to said line from the Southwest corner of section 30

Elevation of ground above sea level 387 feet datum.

All depth measurements taken from top of Kelly Bushing (Derrick Floor, Rotary Table or Kelly Bushing) which is 10 feet above ground.

397' KB

PROPOSED CASING PROGRAM

SIZE OF CASING INCHES A.P.I.	WEIGHT	GRADE AND TYPE	TOP	BOTTOM	CEMENTING DEPTHS
10-3/4"	32.75#	H-40	0	500'	Cement to surface
5½"	15.5#	J-55	0	3500'	Cement at 3500'

Intended zone or zones of completion: Etchegoin (Name) (Depth, top and bottom)

Estimated total depth 3500'

Reference to file of date

Map & Book	U S G S	Bond	Card	Forms 1141	Forms 181
W4-2 JCW 7-13-59	NO	Blanket	✓	1835	614

It is understood that if changes in this plan become necessary we are to notify you before running casing.

Address P. O. Box 1425, Bakersfield, Calif

Telephone Number Fairview 3-0070

Type of Organization (Corporation, Partnership, Individual, etc.)

TRICO OIL AND GAS COMPANY
(Name of Operator)

By John Qualman, Jr.
John Qualman, Jr., Vice President