strata-graphic Corp.

GEOLOGICAL WELL LOGGING
P.O. BOX 41498, SACRAMENTO CA, 95841

RECEIVED
AUG 17 2015
DIVISION OF OIL, GAS AND GEOTHERMAL RESOURCES

ABBREVIATIONS		MUD DATA		LITHOLOGY
NEW BIT	NB	MUD WEIGHT	MW	CLAY
OLD BIT	OB	MUD VISCOSITY	MV	SILT
HS - TIP BIT	HS	MUD YIELD	MY	SILTSTONE
CORE BIT	CB	SAND %	SD	SHALE
CORE BARREL	CBL	PH LEVEL	PH	TUFF & TUFFA
CIRCULATE OUT	CO	ALKALINITY	ALK	FINE SAND
TRIP GAS	TG	FILTRATE RESIS.	RMF	DESIGN SAND
CONNECTION GAS	CG	FILTRATE CL	CL	ROUND SAND
GAIN HOLE GAS	WHG	FIELD POINT	FP	SANDSTONE
SURVEY GAS	SG	SOLIDS	SOL	CONGLOMERATE
BACKGROUND GAS	BG			COAL
LOG AFTER TRIP	LAT			GRANITE
DRILL STEM TEST	DST			VOLCANIC
				SILICEOUS
				DOLOMITE
				CHERT
				BRECCIA/SILICEOUS CEMENT
				BRECCIA/DARK CEMENT

HOLE SIZE	
16 1/4"	to 1497'
12 1/4"	to 4497'
	to
	to

CASING SIZE	
16 1/4"	to 1497'
9 5/8"	to 4497'
	to
	to

MUD TYPE	
Gel / Chem	to 1497'
Gel / Chem	to 4497'
	to
	to

MUD PUMPS	
#1 - National 12-P-160	
#2 -	
#1 - Gardner Denver PZ8	
#2 -	

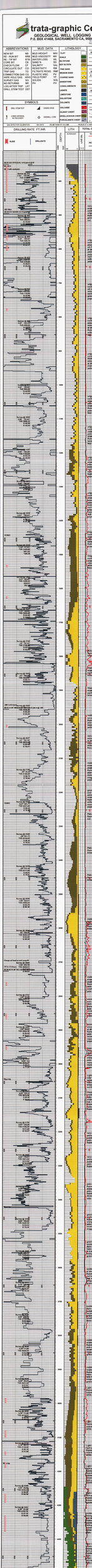
SYMBOLS	
DRILL STEM TEST	CASING SHOE
CORED INTERVAL INTERVAL	CASING COLLAR

SPUD DATE 6/28/2013 TIME 12:00PM
DRILLING RATE FT./HR.

DRILLING RATE	
BLADE	DRILLBITE

COMPANY ERG RESOURCES	
WELL LA 22-R31	
API WELL INDEX NO.	04-083-00294-01-00
FIELD CAT CANYON	
LOCATION N 34° 34' 48.0" LAT, 120° 39' 0.0" LONG	
SECTION 22 T7N R30W SBB&M	
N - 2,000' E - 1,700' FSL FWL	
ELEVATION GL 1132' KB 1156.5'	
COUNTY SANTA BARBARA	
STATE CALIFORNIA	
SPUD DATE 6/28/2013 TIME 12:00PM	
LOGGING DATE	
LOGGING STARTED 6/28/2013 to 7/4/2013	
LOGGING COMPLETED 7/4/2013 at 7:00 AM TD to 4497'	
DRILLER'S DEPTH 4497'	
DIR. DRILL & DIRECTIVE HORNER, TOM BANNER	
DRILL FORMAN BRUCE CARTWELL, DRILTEC	
DRILL CREW KEY PRODUCTIONS	
BIT 6"	
TOOL PUSHER CLIFF WEYER	
MUD CONTR. GEO DRILLING FLUIDS	
MUD ENG. T. COCKINGTON	
LOGGING GEOL. 1. ANDREA BERGE	
2. R.L. SAWARDS	
3. VARDLS L. HOLT	

DATE	DEPTH	TOTAL GAS	CHROMATOGRAPHY	LITHOLOGY	REMARKS
6/29/2013		PET. VAPORS	METANE / ETHANE / PROPANE / BUTANE / PENTANE		LITH DESCRIPTION / BKG GAS / DRILLING DATA / TEST & CORE DATA



ERG RESOURCES LA 22-R31 Sec 22 T7N R30W SBB&M SANTA BARBARA CALIFORNIA API 04-083-00294-01-00