

COPY

STATE CORPORATION COMMISSION OF KANSAS
OIL & GAS CONSERVATION DIVISION
WELL COMPLETION FORM
ACO-1 WELL HISTORY
DESCRIPTION OF WELL AND LEASE

Operator: License # 32211Name: O'Brien EnergyAddress c/o Allen Drilling Co.6565 S Dayton St - #3800City/State/Zip Englewood, CO 80111Purchaser: Duke EnergyOperator Contact Person: Doug HoisingtonPhone (303) 799-6660Contractor: Name: Allen Drilling Co.License: 5418Wellsite Geologist: Pete Debenham

Designate Type of Completion

☒ New Well ☐ Re-Entry ☐ Workover☐ Oil ☐ SWD ☐ SLOW ☐ Temp. Abd.☒ Gas ☐ ENHR ☐ SIGW☐ Dry ☐ Other (Core, WSW, Expl., Cathodic, etc)If Workover: NA

Operator: _____

Well Name: _____

Comp. Date _____ Old Total Depth _____

☐ Deepening ☐ Re-perf. ☐ Conv. to Inj/SWD☐ Plug Back ☐ PBTD☐ Commingled ☐ Docket No. _____☐ Dual Completion ☐ Docket No. _____☐ Other (SWD or Inj?) Docket No. _____11-7-97 11-18-97 12-20-97

Spud Date Date Reached TD Completion Date

API NO. 15- 119-209860000County Meade195'S - SE-NE Sec. 7 Twp. 33 Rge. 26 X W2175 Feet from SW (circle one) Line of Section660 Feet from E/W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:

NE, SE, NW or SW (circle one)Lease Name McKinney Well # 2Field Name McKinneyProducing Formation MississippiElevation: Ground 2325' KB 2336'Total Depth 5777' PBTD 5712'Amount of Surface Pipe Set and Cemented at 890 FeetMultiple Stage Cementing Collar Used? ☐ Yes ☒ NoIf yes, show depth set NA FeetIf Alternate II completion, cement circulated from NA

feet depth to _____ w/ _____ sx cmt.

Drilling Fluid Management Plan A/H/L 513-98 U.C.
(Data must be collected from the Reserve Pit)Chloride content 8000 ppm Fluid volume 800 bblsDewatering method used Air DryLocation of fluid disposal if hauled offsite: NA

Operator Name _____

Lease Name _____ License No. _____

____ Quarter Sec. _____ Twp. _____ S Rng. _____ E/W

County _____ Docket No. _____

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information on side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

All requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Signature John ThomasTitle Agent Date _____Subscribed and sworn to before me this 13 day of February, 19 98.Notary Public Heidi L Byers

HEIDI L. BYERS, Notary Public

Date Commission Expires My Commission Expires August 6, 2002

K.C.C. OFFICE USE ONLY

F ☒ Letter of Confidentiality Attached
C ☒ Wireline Log Received
C ☒ Geologist Report Received

Distribution

☒ KCC ☐ SWD/Rep ☐ NGPA
☐ KGS ☐ Plug ☒ Other
(Specify) IS

SIDE TWO

Operator Name O'Brien EnergyLease Name McKinneyWell # 2Sec. 7 Twp. 33 Rge. 26☐ EastCounty Meade☒ West

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all drill stem tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface during test. Attach extra sheet if more space is needed. Attach copy of log.

Drill Stem Tests Taken
(Attach Additional Sheets.)☒ Yes ☐ No

Samples Sent to Geological Survey

☒ Yes ☐ No

Cores Taken

☐ Yes ☒ NoElectric Log Run
(Submit Copy.)☒ Yes ☐ NoList All E.Logs Run: CNS/PDS
DIS
MLS
CBL☒ Log

Formation (Top), Depth and Datums

☐ Sample

Name

Top

Datum

See attached

COPY

CASING RECORD

☒ New ☒ Used

Report all strings set-conductor, surface, intermediate, production, etc.

Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs./Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
Conductor	36"	20"		40'	Grout	4 yd	
Surface	12 1/4"	8 5/8"	24	890'	Poz/A	675	3%CaCl, 1/4#
Production	7 7/8"	4 1/2@	10.5	5768'	Premium	150	Floreal

ADDITIONAL CEMENTING/SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				

10% NaCl
1/4# Flocele
.6% Halad 322

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
4	5634-36', 5638-40', 5642-44'	1000 gal 50Q N2 acid	
	5648-58', 5662-64'		
TUBING RECORD		Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Size	Set At	Packer At	
2 3/8	5588'	NA	
Date of First, Resumed Production, SWD or Inj.		Producing Method <input checked="" type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)	
NA			
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.
	15	1,000	0
			Gas-Oil Ratio
			67,000
			Gravity
			NA

Disposition of Gas:

METHOD OF COMPLETION

Production Interval

☐ Vented ☒ Sold ☐ Used on Lease
(If vented, submit ACO-18.)

☐ Open Hole ☒ Perf. ☐ Dually Comp. ☐ Commingled
☐ Other (Specify) _____

Mississippi

5634-5664'