

COPY 1051
SIDE ONE

TIGHT HOLE

JMS

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

API NO. 15- 057-20,493

County Ford
Approx. Irregular section East
NW NW Sec. 4 Twp. 26S Rge. 21 X West4920 Ft. North from Southeast Corner of Section
4950 Ft. West from Southeast Corner of Section
(NOTE: Locate well in section plat below.)Lease Name Hattrup Well # 1Field Name Little Coon Creek SW (Revival)Producing Formation MississippiElevation: Ground 2323' KB 2328'Total Depth 4814' PBTD N/AOperator: License # 5063Name: Energy Exploration Inc.Address 1002 S. BroadwayCity/State/Zip Wichita, KS 67211Purchaser: Coastal Derby Refining CompanyOperator Contact Person: Brad D. LehlPhone (316) -267-7336Contractor: Name: Emphasis Oil OperationsLicense: 8241Wellsite Geologist: Tim Pierce

Designate Type of Completion

☒ New Well ☐ Re-Entry ☐ Workover☒ Oil ☐ SWD ☐ Temp. Abd.☐ Gas ☐ Inj ☐ Delayed Comp.☐ Dry ☐ Other (Core, Water Supply, etc.)

If OWMO: old well info as follows:

Operator: _____

Well Name: _____

Comp. Date _____ Old Total Depth _____

Drilling Method:

☒ Mud Rotary ☐ Air Rotary ☐ Cable1/26/91 2/5/91 2-27-91

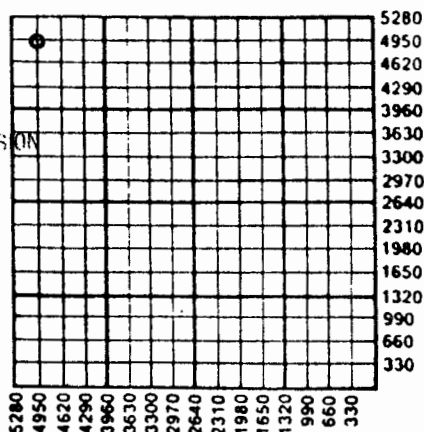
Spud Date Date Reached TD Completion Date

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CONSERVATION DIVISION

Wichita, Kansas

Amount of Surface Pipe Set and Cemented at 630 FeetMultiple Stage Cementing Collar Used? ☐ Yes ☒ No

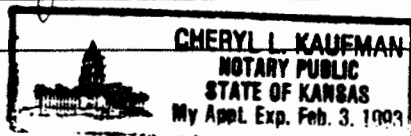
If yes, show depth set _____ Feet

If Alternate II completion, cement circulated from _____

feet depth to _____ w/ _____ sx cmt.

INSTRUCTIONS: This form shall be completed in triplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the spud date of any well. Rule 82-3-130, 82-3-107 and 82-3-106 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 drillers time log 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. Any recompletion, workover or conversion of a well requires filing of ACO-2 within 120 days from commencement date of such work.

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 Joseph D. MaceTitle President Date 6-4-91Subscribed and sworn to before me this 4th day of June, 91.Notary Public Cheryl L. KaufmanDate Commission Expires 2-3-93

K.C.C. OFFICE USE ONLY
F ☐ Letter of Confidentiality Attached
C ☒ Wireline Log Received
C ☒ Drillers Timelog Received

Distribution

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

Form ACO-1 (7-89)

TIGHT HOLE

SIDE TWO

Operator Name Energy Exploration Inc. Lease Name Hatrup Well # 1
 Sec. 4 Twp. 26S Rge. 21 ☐ East ☒ West
 County Ford

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.

<p>Drill Stem Tests Taken <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (Attach Additional Sheets.)</p> <p>Samples Sent to Geological Survey <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (Submit Copy.)</p>	<p style="text-align: center;">Formation Description</p> <p><input checked="" type="checkbox"/> Log <input checked="" type="checkbox"/> Sample</p> <p style="text-align: center;">Name Top Bottom</p>
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SEE ATTACHED SHEET

CASING RECORD <input checked="" type="checkbox"/> New <input checked="" type="checkbox"/> 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
surface (new)	12 1/2"	8 5/8"	23#	630'	pozmix	310	3% A-7, 2% gel
production (used)	7 7/8"	5 1/2"	15.5#	4817.5'	50/50 poz.	50	2% gel, 7.5# Kolseal
					class A BA	29 175	5# Kolseal
PERFORATION RECORD				Acid, Fracture, Shot, Cement Squeeze Record			
Shots Per Foot	Specify Footage of Each Interval Perforated			Amount and Kind of Material Used		Depth	
2	4785-4787			100 gal. MSA 10% acid		4785-87	
TUBING RECORD				Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
Size	Set At	Packer At					
2 3/8"	4799.58	N/A					
Date of First Production	Producing Method <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)						
March 6, 1991							
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity		
	6.66	unknown	45	unknown	38		

Disposition of Gas: ☐ Vented ☐ Sold ☐ Used on Lease (If vented, submit ACO-18.)

METHOD OF COMPLETION

☐ Open Hole ☒ Perforation ☐ Dually Completed ☐ Commingled

☐ Other (Specify) _____

Production Interval 4785-4787

COPY

RUSSELL, KS 67665

TIGHT HOLE

DRILLERS LOG

CONTRACTOR: Emphasis Oil Operations
Box 506
Russell, KS 67665

WELL #1

LOCATION: Approx. NW NW
Section 4-26S-21W
Ford County, Kansas

LOGGERS TOTAL DEPTH: 4819'

ROTARY TOTAL DEPTH: 4814'

ELEVATION: 2328' K.B.

COMMENCED: 1/26/91

COMPLETED: 2/5/91

ASING: 8-5/8" id 630' w/310 sks cement S
5-1/2" id 4816' w/50 sks cement (50/50 Poz.)
w/175 sks cement (Class A)

STATUS: Oil Well

DEPTHS & FORMATIONS

(All measurements from K.B.)

Top Soil & Shale	60'	Heebner	4032'
akota Sand	408'	Lansing-Kansas City	4154'
Shale	520'	Base Kansas City	4546'
edar Hills	920'	Marmaton	4559'
Shale	1065'	Cherokee	4719'
anhydrite	1368'	Mississippi	4780'
Shale	1394'	R.T.D.	4814'


RECEIVED
STATE DEPARTMENT IMMIGRATION

JUN 05 1991

CONFIDENTIAL

STATE OF KANSAS)
) ss
COUNTY OF RUSSELL)

Kyle B. Branum, of Emphasis Oil Operations, states that the above and foregoing is a true and correct log of the above captioned well, to the best of his knowledge.


Kyle B. Branum

subscribed and sworn to before me on February 8, 1991.

y commission expires: February 6, 1992.

STATE OF KANSAS
COUNTY OF _____
JURY
BY APPT. JAMES L. _____ 2-6-92

Glenda R. Tiffin
Glenda R. Tiffin, Notary Public