

STATE CORPORATION COMMISSION OF KANSAS
OIL & GAS CONSERVATION DIVISION

WELL COMPLETION OR RECOMPLETION FORM
ACO-1 WELL HISTORY

DESCRIPTION OF WELL AND LEASE

Operator: License # 5063
Name Energy Exploration, Inc.
Address 1002 South Broadway
City/State/Zip Wichita, KS 67211

Purchaser Koch Oil Co.

Operator Contact Person Brad Lehl
Phone 316-267-7336

Contractor: License # 5422
Name Abercrombie Drilling, Inc.

Wellsite Geologist Ralph White
Phone 263-3081

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

If OWWO: old well info as follows:
Operator N/A
Well Name
Comp. Date Old Total Depth

WELL HISTORY

Drilling Method:
 Mud Rotary Air Rotary Cable
1-13-86 1-23-86 1-23-86
Spud Date Date Reached TD Completion Date
4700' 4530'
Total Depth PBTB

Amount of Surface Pipe Set and Cemented at 305 feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set 2491 feet
If alternate 2 completion, cement circulated from 2491 feet depth to surface w/ 450 SX cmt

API NO. 15-193-20,389-0000
County Thomas
NW SE SE Sec. 36 Twp. 10S Rge. 32 East West

990 Ft North from Southeast Corner of Section
990 Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)

Lease Name Nichols Well # 3
Field Name Campus Northwest
Producing Formation Marmaton
Elevation: Ground 3032' KB 3037'
Section Plat

Section Plat grid with elevations: 5280, 4950, 4620, 4290, 3960, 3630, 3300, 2970, 2640, 2310, 1980, 1650, 1320, 990, 660, 330

WATER SUPPLY INFORMATION

Disposition of Produced Water: Disposal Repressuring
Docket #

Questions on this portion of the ACO-1 call:

Water Resources Board (913) 296-3717
Source of Water:
Division of Water Resources Permit #
 Groundwater.....Ft North from Southeast Corner (Well)Ft West from Southeast Corner of Sec Twp Rge East West
 Surface Water.....Ft North from Southeast Corner (Stream, pond etc).....Ft West from Southeast Corner Sec Twp Rge East West
 Other (explain)....City of Oakley, KS..... (purchased from city, R.W.D. #)

INSTRUCTIONS: This form shall be completed in duplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 90 days after completion or recompletion of any well. Rule 82-3-130 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 drillers time log shall be attached with this form. 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 Joseph D. Mace
Title President Date 2-24-86

Subscribed and sworn to before me this 24th day of February 1986

Notary Public Cheryl L. Idleman
Cheryl L. Idleman

Date Commission Expires 1-30-89

CHERYL L. IDELMAN
NOTARY PUBLIC
STATE OF KANSAS
My Appl. Exp. 1-30-89

K.C.C. OFFICE USE ONLY
 Letter of Confidentiality Attached
 Wireline Log Received
 Drillers Time Log Received
Distribution
 KCC SWD/Rep NGPA
 KGS Plug Other (Specify)
RECEIVED
STATE CORPORATION COMMISSION

FEB 25 1986
2-25-86
CONSERVATION DIVISION
Wichita, Kansas

Sec 30 Imp. 10 Rge 39 U

Operator Name Energy Exploration, Inc. Lease Name..... Nichols Well #..... 3

Sec..... 36 Twp..... 10S Rge..... 32 East West County..... Thomas

WELL LOG

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 Yes No
 Samples Sent to Geological Survey Yes No
 Cores Taken Yes No

Formation Description
 Log Sample

DST #1 4057-4121 (Lns C,D,E) 30-60-60-60, Rec. 75' WM, 540' MW, Chl. 38,000, IHP 2150, IFP 64-147, ISIP 1261, FFP 195-329, FSIP 1234, FHP 2056, Temp. 120°.

DST #2 4160-4210 (Lns H',H) 30-30-30-30, Rec. 35' M, IHP 2137, IFP 53-58, ISIP 1194, FFP 67-67, FSIP 1153, FHP 2083, Temp. 121°.

DST #3 4202-4260 (Lns I,J) 30-60-60-60, Rec. 300' GIP, 480' GCMO (65% O), IHP 2177, IFP 67-120, ISIP 1126, FFP 160-241, FSIP 991, FHP 2096, Temp. 121°.

DST #4 4256-4360 (Lns, K,L,Len) 30-60-60-60, Rec. 985' GIP, 5' SOCM, 900' GCMO (20% M, 20% W, 68% O, 10% G), 630' FO (40 @ 60°), 30' OCM, IHP 2257, IFP 268-482, ISIP 750, FFP 549-670, FSIP 750, FHP 2150, Temp. 122°.

DST #5 4419-4490 (Paw, My Sta) 30-60-60-60, gauged 4,450 cfg 2nd open, Rec. 1350' GO, 360' GCMO (15% G, 80% O, 5% M), IHP 2325, IFP 107-402, ISIP 1099, FFP 455-643, FSIP 978, FHP 2217, Temp. 124°.

Formation	Sample	Top	Bottom
Anhydrite	2554 +483	2555	+482
Heebner	3997 -960	3998	-961
Lansing	4039 -1002	4038	-1001
Stark	4258 -1221	4254	-1217
BKC	4320 -1283	4316	-1279
Marmaton	4345 -1308	4344	-1307
Pawnee	4434 -1397	4436	-1399
Myrick Sta.	4481 -1444	4484	-1447
Fort Scott	4503 -1466	4504	-1467
Cher. Shale	4531 -1494	4531	-1494
Cher. Jhn.	4574 -1537	4574	-1537
Cher. Sand	4594 -1557	4594	-1557
Mississippi	4639 -1602	4638	-1601
TD	4700	4699	

DST #6 4552-4585 (Jhn) 30-60-60-60, Rec. 270' FO, 150' MCO (80% O, 20% M), IHP 2446, IFP 40-67, ISIP 991, FFP 93-134, FSIP 898, FHP 2284, Temp. 126°.

CASING RECORD <input checked="" type="checkbox"/> New <input 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	12 1/4"	8 5/8"	20#	305'	60/40 poz	200	2% gel, 3% cc
Production	7 7/8"	5 1/2"	14#	4699'	50/50 poz	50	2% gel, 7% #
2nd stage					Surefill Lite	180	
						450	
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	4575-85			500 gals. 15% INS acid			
				retreat w/1500 gals. 15% NE acid w/75 gals. servisol		4575-85	
2	4436-44			2000 gals. 15% NE acid w/100 gals. servisol		4436-44	
TUBING RECORD				Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
Size 2 7/8		Set At 4491.48		Packer at N/A			
Date of First Production		Producing Method					
February 7, 1986		<input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (explain).....					
Estimated Production Per 24 Hours		Oil		Gas		Water	
99 Bbls		TSTM		MCF		Ratio Gravity	
						38	

METHOD OF COMPLETION Production Interval

Disposition of gas: Vented Open Hole Perforation Sold Other (Specify) 4436-44
 Used on Lease Dually Completed Commingled set plug @ 4530'

RELEASED
 MAY 09 1988
 FROM CONFIDENTIAL