

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  
Address 1002 So. Broadway  
City/State/Zip Wichita, KS 67211

Purchaser Koch Oil Company

Operator Contact Person Joe Mace  
Phone 316-267-7336

Contractor: License # 5422  
Name Abercrombie Drilling, Inc.

Wellsite Geologist Ralph White  
Phone (316) 685-3296

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  
Well Name N/A  
Comp. Date Old Total Depth

WELL HISTORY

Drilling Method:  
 Mud Rotary  Air Rotary  Cable  
7/17/85 7/29/85 8-12-85  
Spud Date Date Reached TD Completion Date  
4700' 4480'  
Total Depth PBDT

Amount of Surface Pipe Set and Cemented at 301' feet  
Multiple Stage Cementing Collar Used?  Yes  No  
If yes, show depth set 2529 feet  
If alternate 2 completion, cement circulated  
from 2529 feet depth to 1000' w/ 425 SX cmt

API NO. 15-193-20,361-0000  
County Thomas  
NE SW SE 36 10S 32  East  
Sec Twp Rge  West

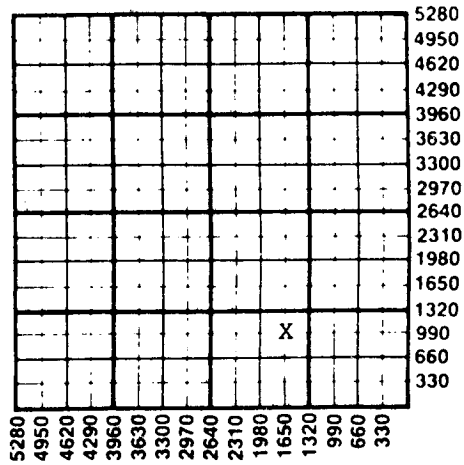
990 Ft North from Southeast Corner of Section  
1650 Ft West from Southeast Corner of Section  
(Note: Locate well in section plat below)

Lease Name NICHOLS Well # 1

Field Name Wildcat CAMPUS, NW

Producing Formation Lansing-Kansas City

Elevation: Ground 3041' KB 3046'  
Section Plat



WATER SUPPLY INFORMATION  
Disposition of Produced Water:  Disposal  
Docket #  Repressuring

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) Purchased from City of Oakley  
(purchased from city, R.W.D. #)

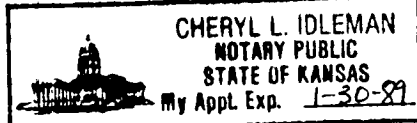
INSTRUCTIONS: This form shall be completed in duplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 90 days after completion or recompletion of any well. Rule 82-3-130 and 82-3-107 apply. Information on side two of this form will be held 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 8-26-85

Subscribed and sworn to before me this 26th day of August 1985  
Notary Public Cheryl L. Idleman  
Date Commission Expires 1-30-89

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



RECEIVED  
STATE CORPORATION COMMISSION  
SEP 17 1985 Form ACO-1 (7-84)  
9-17-85  
CONSERVATION DIVISION

Sec. 10 Twp. 10 Rge. 36 W.

15-193-20361-0000

SIDE TWO

Operator Name Energy Exploration, Inc. Lease Name NICHOLS Well # 1

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 4109-4135 (Lns E-F) 30-60-60-60, Rec. 220' CO, 120' WMC0 (10%W;55%O;35%M), 60' WM, 27,000 Chl. IHP 2047, IFP 50-91, ISIP 1283, FFP 132-193, FSIP 1253, FHP 2037, Temp. 126°.

DST #2 4170-4235 (Lns H-I) 30-60-60-60, GTS 75", Ga 1,500 cfg, Rec. 480' CO, 2400' SMC0 (5%M;95%O) 39°, IHP 2109, IFP 274-687, ISIP 1244, FFP 747-1035, FSIP 1174, FHP 2109, Temp. 127°, 4:10 a.m.

DST #3 4259-4320 (Lns K-L) 30-60-60-60, Rec. 2940' GIP, 300' CGO, 960' MCGO, (60%O;30%G;10%M) 40°, IHP 2157, IFP 73-315, ISIP 1184, FFP 365-487, FSIP 1055, FHP 2147, Temp. 130°.

DST #4 4323-4370 (Lenapah) 30-60-60-60, Rec. 120' OCM (10%O;90%M) IHP 2147, IFP 50-50, ISIP 1293, FFP 81-101, FSIP 1055, FHP 2137, Temp. 130°.

DST #5 4433-4505 (Pawnee) 30-60-60-60, Rec. 70' Mud, IHP 2266, IFP 70-70, ISIP 284, FFP 91-101, FSIP 376, FHP 2247, Temp. 129°. (see attachment for DST's #6 and #7)

Name	Top	Bottom
Formation	Sample	Log
Anhydrite	2565 +481	2556 +490
B/Anhydrite	2594 -452	2596 +456
Heebner	4002 -956	4002 -956
Toronto	4025 -979	
Lansing	4037 -991	4044 -998
BKC	4326 -1280	4324 -1278
Marmaton	4354 -1308	4352 -1306
Pawnee	4447 -1401	4446 -1400
Myrick Station	4493 -1447	4494 -1448
Fort Scott	4514 -1468	4514 -1468
Cher. Shale	4543 -1497	4541 -1495
Cher. Johnson	4585 -1539	4584 -1538
Cher. Sand	4610 -1564	4609 -1563
Mississippi	4648 -1602	4646 -1600
TD	4700	4698

RELEASED

CASING RECORD  New  Used Report all strings set-conductor, surface, intermediate, production, etc. DEC 23 1987

Purpose of String	Size Hole Drilled	Size Casing Set (in O.D.)	Weight Lbs/Ft.	Setting Depth	Type of Cement	#Sacks Used	Percent Additives
Surface	12 1/4"	8 5/8"	20#	301.85'	Common	210	2% gel, 3% c.c.
Production	7 7/8"	5 1/2"	14#	4699'	50-50 port	50	
Upper stage					Surefill	180	
					Lt. wt.	425	2% gel, 7.5# Gils.

Shots Per Foot	Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
2	4588-98	400 gal. MCA; retreated w/1500 gal. 15% INS acid	4588-98
2	4514-20	300 gal. 15% MCA acid; retreated w/1200 gal. 15% acid	4514-20
2	4307-14	1200 gal. INS 15% acid	4307-14
2	4284-90	1200 gal. 15% INS acid	4284-90 (cont'd)

TUBING RECORD Size 2 3/8" OD Set At 4476' Plugs set at 4650, 4565, 4480 Liner Run  Yes  No perf. on attached sheet

Date of First Production 8-23-85 Producing Method  Flowing  Pumping  Gas Lift  Other (explain)

Estimated Production Per 24 Hours	Oil	Gas	Water	Gas-Oil Ratio	Gravity
	130 Bbls	TSTM MCF	0 Bbls	TSTM CFPB	41

METHOD OF COMPLETION Production Interval

Disposition of gas:  Vented  Sold  Used on Lease  Open Hole  Perforation  Other (Specify) 4180-4314 O.A.  Dually Completed  Conmingle

\* Plugs set @ 4650, 4565, 4480.

cont'd DST's:

DST #6 4504-4600 (Ft. Scott-Cher. J) 30-60-60-60, GTS 35", Ga 5,640 cfb, Rec. 1140' GO (37'), 240' MCGO (80% O; 10% G; 10% M) 120' OCM (40% O; 60% M), 120' OCM (10% O; 90% M) IHP 2286, IFP 162-365, ISIP 1005, FFP 426-607, FSIP 826, FHP 2266, Temp. 129°.

DST #7 4599-4640 (Cher. Sand) 30-60-30-30, Rec. 10' OCM, IHP 2387, IFP 60-60, ISIP 394, FFP 60-60, FSIP 70, FHP 2255, Temp. 131°.

**CONFIDENTIAL**

cont'd perf.:

<u>shots per ft.</u>	<u>intervals</u>	<u>acid, fracture, shot, cement squeeze record</u>	<u>depth</u>
2	4224-28	1500 gal. 15% INS acid	4224-28
2	4180-84	250 gal. MCA 15% acid, 1500 gal. 15% INS acid	4180-84

NOV 19 1965

State Geological Survey  
WICHITA BRANCH

RECEIVED  
STATE CORPORATION COMMISSION

SEP 17 1965

CONSERVATION DIVISION  
Wichita, Kansas

RELEASED

DEC 23 1967

FROM CONFIDENTIAL