

ORIGINAL

SIDE ONE

CONFIDENTIAL

MAR 25 1991

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

API NO. 15- 145-21,305-0000

FROM CONFIDENTIAL

County Pawnee

N/2 S/2NENW Sec. 21 Twp. 20 Rge. 19 East West

4455 Ft. North from Southeast Corner of Section

3300 Ft. West from Southeast Corner of Section
(NOTE: Locate well in section plat below.)

Lease Name Smith Well # 21-3

Field Name Oro SW

Producing Formation Chase

Elevation: Ground 2208' KB 2213'

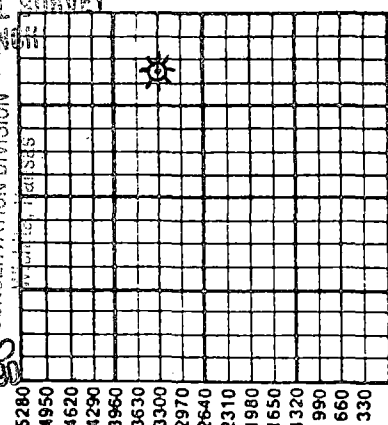
Total Depth 2432' PBD 2383'

KANSAS GEOLOGICAL SURVEY
WICHITA BRANCH

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FEB 26 1990

FEB 27 1990



5280
4950
4620
4290
3960
3630
3300
2970
2640
2310
1980
1650
1320
990
660
330

Amount of Surface Pipe Set and Cemented at 389' Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set _____ Feet

If Alternate II completion, cement circulated from _____

feet depth to _____ w/ _____ sx amt.

Operator: License # 9971

Name: Kodiak Petroleum, Inc.

Address 44 Inverness Dr. East

Suite B, Building D

City/State/Zip Englewood CO 80112

Purchaser: Enron Gas Supply

Operator Contact Person: Kent A. Johnson

Phone (303) 790-7550

Contractor: Name: Red Tiger Drilling Co.

License: 5302

Wellsite Geologist: Charley Cook

Designate Type of Completion

New Well Re-Entry Workover

Oil SWD Temp. Abd.

Gas Inj Delayed Comp.

Dry Other (Core, Water Supply, etc.)

If OWM: old well info as follows:

Operator: _____

Well Name: _____

Comp. Date _____ Old Total Depth _____

Drilling Method:

Mud Rotary Air Rotary Cable

11/10/89 11/14/89 12/11/89

Spud Date Date Reached TD Completion Date

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-1 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 [Signature], Kent A. Johnson

Title President Date 2/20/90

Subscribed and sworn to before me this 20th day of February 19 90.

Notary Public Judith C. Pennington

Judith C. Pennington

Date Commission Expires April 19, 1993

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)

PI

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SIDE TWO

Operator Name Kodiak Petroleum, Inc. Lease Name Smith Well # 21-3
County Pawnee
Sec. 21 Twp. 20 Rge. 19
East
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.
RELEASED

Drill Stem Tests Taken Yes No
Samples Sent to Geological Survey Yes No
Cores Taken Yes No
Electric Log Run Yes No

Formation Description
Log Sample
Name Top Bottom
Stone Corral Anhy. 1350' (+863)
Krider 2268' (- 55)
Winfield 2322' (-109)
Towanda 2393' (-180)
Drillers TD 2431' (-218)
Loggers TD 2432' (-219)

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

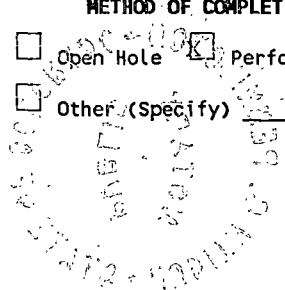
Table with 8 columns: Purpose of String, Size Hole Drilled, Size Casing Set (In O.D.), Weight Lbs./Ft., Setting Depth, Type of Cement, # Sacks Used, Type and Percent Additives. Rows for Surface and Production.

PERFORATION RECORD
Shots Per Foot Specify Footage of Each Interval Perforated
Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used) Depth

TUBING RECORD
Used Size Set At Packer At Liner Run Yes No

Date of First Production Producing Method
Estimated Production Per 24 Hours Oil Bbls. Gas Mcf Water Bbls. Gas-Oil Ratio Gravity

Disposition of Gas: Vented Sold Used on Lease
METHOD OF COMPLETION: Open Hole Perforation Dually Completed Commingled
Production Interval



Kodiak Petroleum, Inc.
 Smith #21-3
 21-T20S-R19W
 Pawnee County, KS

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MAR 25 1991

FROM CONFIDENTIAL

DST #1: 2240-2300 (Kridler)

Times: 5-20-30-90 Minutes

1st Open: Strong blow - bottom of bucket in 5 min.

2nd Open: Strong blow - bottom of bucket in 5 min.

Note: Blew down through 2" line, switched over to bubble hose, blow built from 1" to bottom of bucket during ISI, due to gas breaking out of mud.

Recovery: 40' Gassy mud

1FP: 52-52

1SIP: 84

FFP: 63-63

FSIP: 444 building

HP: 1205, 1194

DST #2: 2310-2335 (Winfield)

Times: 5-20-40-80 Minutes

1st Open: Bottom bucket 1 min.

2nd Open: Gas to surface 5 min.

GTS - Stable in 30 min. @ Max Rate 211 MCFPD

Recovery: 125' Gassy mud

1FP: 79-79

1SIP: 639

FFP: 89-104

FSIP: 632

HP: 1341, 1283

DST #3: 2367-2410 (Towanda)

Times: 5-20-30-90 Minutes

1st Open: Strong blow - bottom bucket in 3 1/2 min.

2nd Open: Strong blow - bottom bucket in 5 min.

Recovery: 440' MW (50% filtrate, 50% formation water)

Chlorides: recovery 90,000 p.p.m.

1FP: 96-96

1SIP: 682

FFP: 153-269

FSIP: 701

HP: 1324, 1286

RECEIVED
 STATE COMMISSION

FEB 26 1990

CONSERVATION DIVISION
 Topeka, Kansas