

ORIGINAL

SIDE ONE

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

API NO. 15- 109-20,502-00-00

County Logan

SW NE SE Sec. 31 Twp. 12 Rge. 33 East West X

1650' Ft. North from Southeast Corner of Section

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

Lease Name Opal Hays Well # 1

Field Name Wildcat

Producing Formation LKC-Marmaton

Elevation: Ground 3082' KB 3087'

Total Depth 4770' PBTD

Operator: License # 5422

Name: Abercrombie Drilling, Inc.

Address 150 N. Main, Suite 801

City/State/Zip Wichita, KS 67202

Purchaser: _____

Operator Contact Person: Jerry A. Langrehr

Phone (316) 262-1841

Contractor: Name: Abercrombie RTD, Inc.

License: 30684

Wellsite Geologist: Mark Galyon

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: _____

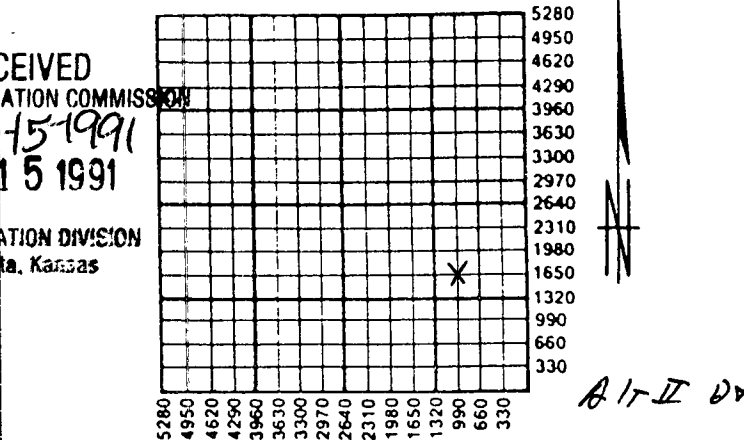
Comp. Date _____ Old Total Depth _____

Drilling Method:

Mud Rotary Air Rotary Cable

4-6-91 4-13-91

Spud Date Date Reached TD Completion Date



Amount of Surface Pipe Set and Cemented at 330' 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 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 Jack R. Wharton

Title Area President Sec. Treas. Date 5-13-91

Subscribed and sworn to before me this 13th day of May, 19 91.

Notary Public Angela Woodard

Date Commission Expires 3-20-93

K.C.C. OFFICE USE ONLY

F Letter of Confidentiality Attached

C Wireline Log Received

C Drillers Timelog Received

Distribution

KCC SWD/Rep NGPA

KGS Plug Other (Specify)



95

SIDE TWO

Operator Name Abercrombie Drilling, Inc. Lease Name Opal Hays Well # #1
 Sec. 31 Twp. 12S Rge. 33 East County Logan
 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 <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (Attach Additional Sheets.) Samples Sent to Geological Survey <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (Submit Copy.) DST #1 3958'-3990' 30-45-60-45 Rec. 320' muddy water (chlorides 35,000 ppm) IFP 66-88 ISIP 1216 FFP 111-188 FSIP 1172 DST #2 4545'-4560' 30-45-30-45 IFP 55-55 ISIP 1106 FFP 66-88 FSIP 1084 rec. 60' watery mud	<p align="center">Formation Description</p> <input checked="" type="checkbox"/> Log <input type="checkbox"/> Sample <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:60%;">Name</th> <th style="width:20%;">Top</th> <th style="width:20%;">Bottom</th> </tr> </thead> <tbody> <tr> <td>Anhydrite</td> <td>2542' (+545')</td> <td>Cherokee 4527' (-1440')</td> </tr> <tr> <td>Base Anhydrite</td> <td>2563' (+524')</td> <td>Johnson 4570' (-1484')</td> </tr> <tr> <td>Heebner</td> <td>3959' (-872')</td> <td>Mississippi 4657' (-1570')</td> </tr> <tr> <td>Toronto</td> <td>3978' (-891')</td> <td></td> </tr> <tr> <td>Lansing</td> <td>4002' (-915')</td> <td></td> </tr> <tr> <td>Muncie Creek</td> <td>4154' (-1067')</td> <td></td> </tr> <tr> <td>Stark Shale</td> <td>4248' (-1161')</td> <td></td> </tr> <tr> <td>Pawnee</td> <td>4442' (-1355')</td> <td></td> </tr> <tr> <td>Myrick Station</td> <td>4478' (-1391')</td> <td></td> </tr> <tr> <td>Fort Scott</td> <td>4499' (-1412')</td> <td></td> </tr> </tbody> </table>	Name	Top	Bottom	Anhydrite	2542' (+545')	Cherokee 4527' (-1440')	Base Anhydrite	2563' (+524')	Johnson 4570' (-1484')	Heebner	3959' (-872')	Mississippi 4657' (-1570')	Toronto	3978' (-891')		Lansing	4002' (-915')		Muncie Creek	4154' (-1067')		Stark Shale	4248' (-1161')		Pawnee	4442' (-1355')		Myrick Station	4478' (-1391')		Fort Scott	4499' (-1412')	
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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
Surface	12 1/4"	8 5/8"	28#	333'	60-40pozmix	200	3%cc 2%gel

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

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

Date of First Production	Producing Method <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)					
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity	

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 _____