

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

API NO. 15-095-21,580-00-00  
County... Kingman  
W 1/2 SE SW 16 30 9 East  
2. Sec. Twp. Rge. X West

Operator: License # 03589  
Name Otter Creek Resources  
Address RR #1 Box 6A  
City/State/Zip Piedmont, Ks. 67122

660  
3630 Ft North from Southeast Corner of Section  
Ft West from Southeast Corner of Section  
(Note: Locate well in section plat below)  
Lease Name Hawley Well # 1-16

Purchaser Oxy NGL - Gas  
Unknown - Crude

Field Name Spivey-Grabs-Basil

Operator Contact Person Page R. Lewis  
Phone 316 583-5084

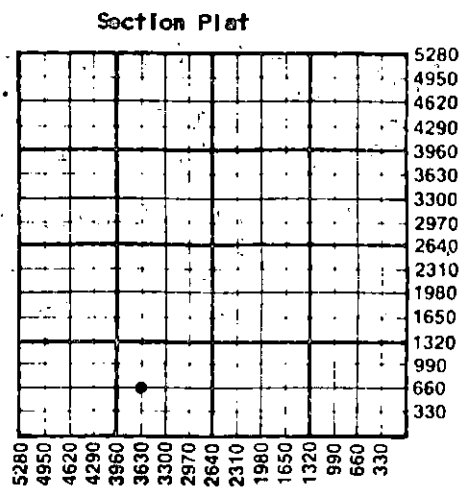
Producing Formation Mississippi  
Elevation: Ground 1678 1691 KB

Contractor: License # 5380  
Name Eagle Drilling, Inc.

Wellsite Geologist Ron Nelson  
Phone 913 628-3449

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

If OWHQ: old well info as follows:  
Operator  
Well Name  
Comp. Date Old Total Depth



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 # T 8827

X Groundwater 660 Ft North from Southeast Corner  
(Well) 3600 Ft West from Southeast Corner of  
Sec 16 Twp 30 Rge 9 East X 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, R.W.D. #)

WELL HISTORY

Drilling Method:  
X Mud Rotary Air Rotary Cable  
1-4-88 1-12-88 3-21-88  
Spud Date Date Reached TD Completion Date  
4421 4419  
Total Depth PBDT

Amount of Surface Pipe Set and Cemented at 213 feet  
Multiple Stage Cementing Collar Used? Yes X No  
If yes, show depth set feet  
If alternate 2 completion, cement circulated  
from feet depth to w/ SX cmt  
Cement Company Name BJ Titan  
Invoice # NL 096 1-4-88  
A/I I 5-10-88

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. 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 [Signature]  
Operator Date 5-3-88

Subscribed and sworn to before me this 3rd day of May 1988.  
Notary Public [Signature]  
Date Commission Expires 1-29-89

DELPHINE ROHLMAN  
NOTARY PUBLIC  
STATE OF KANSAS  
My Appt. Exp.

MAY 04 1988  
5-4-1988  
CONSERVATION DIVISION  
Wichita, Kansas

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)  
5-4-88

Sec 16 Twp 30 Rge 9 W

Operator Name Otter Creek Resources Lease Name Hawley Well # 1-16

Sec 16 Twp 30 Rge 9  East  West County Kingman

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 4299-4355 (Miss) 45-60-45-60  
 GTS 14" Stab @ 243 MCF Rec. 593' HGCM  
 IFP 97-223 ISIP 1029 FFP 155-194  
 FSIP 1010 IHH 2129 FHH 1981 BHT 120 (F)

DST #2 4354-4371 (Miss) 30-45-30-45  
 Rec. 149' GCM 126' SW IFP 48-87  
 ISIP 952 FFP 107-145 FSIP 933  
 IHH 2089 FHH 2079 BHT 115 (F)

Name	Top	Bottom
Howard	2917	3010
Topeka	3029	3237
Heebner	3443	3450
Toronto	3459	3478
Douglas	3483	3657
L-KC	3658	4139
Miss. (Chert)	4322	4404
Miss. (Lime)	4414	TD

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	12 1/4	8 5/8	24 New	213	Class A	225	3% Gel 2% Sal
Production	7 7/8	5 1/2	15.5 Used	4319	50/50 Pz Thick Set	110 65	6% Gel 10% Slit

PERFORATION RECORD				Acid, Fracture, Shot, Cement Squeeze Record	
Shots Per Foot	Specify Footage of Each Interval Perforated		(Amount and Kind of Material Used)	Depth	
One	4327-4339		500 Gal. 7 1/2% MCA	4327-39	
			12500 # 20/40 Sand		
			& 20,000 Gal Gelled Water		

TUBING RECORD	Size	Set At	Packer at	Liner Run	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
	2 3/8	4239	NA		

Date of First Production	Producing Method				
Shutin Waiting on Gas Line	<input checked="" type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (explain).....				
Estimated Production Per 24 Hours	Oil	Gas	Water	Gas-Oil Ratio	Gravity
	15 Bbls	240 MCF	50 Bbls	16000 CFPB	36

METHOD OF COMPLETION

Production Interval

Disposition of gas:  Vented  Sold  Used on Lease  
 Open Hole  Perforation  Other (Specify) ..... 4327-4339.....  
 Dually Completed  Commingled