

ORIGINAL CONFIDENTIAL

SIDE ONE 15-189-21404-00-00  
MAR 2 5 1991  
FROM CONFIDENTIAL

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

Operator: License # 04782

Name: Ensign Operating Co.

Address 621 17th St., Suite 1800

City/State/Zip Denver, Colorado 80293

Purchaser: MOBIL GAS MARKETING

Operator Contact Person: J. C. Simmons

Phone ( 303 ) 293-9999

Contractor: Name: Beredco Inc.

License: 5147

Wellsite Geologist: Ed Grieves

Designate Type of Completion

New Well  Re-Entry  Workover

Oil  SWD  Temp. Abd.

Gas  Inj  Delayed Comp.

Dry  Other (Core, Water Supply, etc.)

If OLD: old well info as follows:

Operator: \_\_\_\_\_

Well Name: \_\_\_\_\_

Comp. Date \_\_\_\_\_ Old Total Depth \_\_\_\_\_

Drilling Method:

Mud Rotary  Air Rotary  Cable

1/12/90

1/31/90

2/22/90

Spud Date

Date Reached TD

Completion Date

API No \_\_\_\_\_

County Stevens

N/2 N/2 SE Sec. 9 Twp. 34S Rge. 36  East  West

2310 Ft. North from Southeast Corner of Section

1320 Ft. West from Southeast Corner of Section

(NOTE: Locate well in section plat below.)

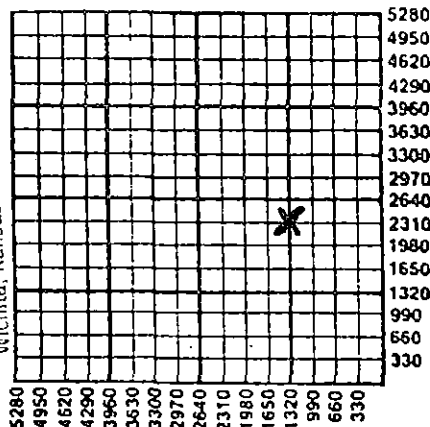
Lease Name Walkemeyer Well # 1-9

Field Name Wildcat

Producing Formation Morrow

Elevation: Ground 3077' KB 3089'

Total Depth 6750' PBD 6590'



MAR 14 1990

CONSERVATION DIVISION  
Wichita, Kansas

ACT I done  
8-8-90

Amount of Surface Pipe Set and Cemented at 1764' 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 cmr.

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-111 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 J. C. Simmons

Title Production Operations Manager Date 3/12/90

Subscribed and sworn to before me this 12 day of March, 1990

Notary Public Deborah J. Steier

Date Commission Expires My Commission expires October 21, 1991

621 17th St. Suite 1800  
Denver, Colorado 80293

K.C.C. OFFICE USE ONLY

F  Letter of Confidentiality Attached

C  Wireline Log Received

C  Drillers Time Log Received

KCC  SWD/Rep  NGPA

KGS  Plug  Other (Specify)

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SIDE TWO

Operator Name Ensign Operating Co. Lease Name Walkemeyer Well # 1-9  
 Sec. 9 Twp. 34 Rge. 36  East County Stevens  West

APR 25 1991

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.

FROM CONFIDENTIAL

Drill Stem Tests Taken  Yes  No  
 (Attach Additional Sheets.)  
 Samples Sent to Geological Survey  Yes  No  
 Cores Taken  Yes  No  
 Electric Log Run  Yes  No  
 (Submit Copy.)

Formation Description		
Name	Top	Bottom
Heebner	4256'	
Toronto	4285'	
LKC	4321'	
Marmaton	5129'	
Cherokee	5373'	
Atoka	5435'	
Morrow	5868'	
Chester	6297'	
St. Gen.	6491'	
St. Louis	6555'	

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	23#	1764'	35/65 Poz	700	Cal Chl-Cellulose
Production	7-7/8	4-1/2	10.5#	6745'	Class "H"	X-350	3% KCl
				DV Tool @ 4894'		150 sx Cl	"H"

Shots Per Foot	Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
2 JSPF	6616-46'	2500 gal 15% HCl	6616-6646'
1 Shot Each	6214', 6218', 6230', 6234', 6236' 6238', 6240', 6242', 6244', 6272' 6274', 6278', 6280', 6282'	700 gal 7-1/2% HCl Frac 80,000 gal Foam 133,000# 20/40 Sand	6214-6282'

TUBING RECORD Size 2-3/8 Set At 6195' Packer At -- Liner Run  Yes  No

Date of First Production 2/14/90 Producing Method  Flowing  Pumping  Gas Lift  Other (Explain)

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	--	1000	0	--	--

Disposition of Gas:  Vented  Sold  Used on Lease (If vented, submit ACO-18.)  
 METHOD OF COMPLETION  Open Hole  Perforation  Dually Completed  Other (Specify) \_\_\_\_\_  
 Production Interval 6214-6282'

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Walkemeyer #1-9  
N/2 N/2 S/2, Section 3-T34S-R36W  
Stevens County, Kansas

RELEASED

15-189-21, 404

MAR 2 5 1991

FROM CONFIDENTIAL

DST #1, 4301-17', Toronto Fm: Time - 30 - 60 - 60 - 120. GTS in 10". Max rate 424 MCFG.  
 Recovery - 180' MW (40% mud, 60% wtr)  
 120' SW -  
 Pressures - IFP 72-144  
 SIP 1187-1176  
 FFP 156-156  
 HP 2096-1872  
 Sampler - Recovered 2200 ml gas, no wtr  
 1000 psi (max of chart)

DST #2, 6229-6260': Times - 30 - 60 - 60 - 120.  
 Recovery - 600' SGCDM (3% gas, 97% mud)  
 Pressures - IFP 225-236  
 SIP 2091-1925  
 FFP 236-236  
 HP 2931-2909  
 Sampler - 100 ml gas  
 100 ml mud  
 1800 ml wtr (20,000 ppm, .47 @ 50)  
 BHT 126

DST #3, 6220-6310': Times - 30 - 60 - 60 - 120.  
 Recovery - 480' SGDM (3% gas, 97% mud)  
 Pressures - HP 2997-2975  
 FFP 225-270  
 IFP 147-247  
 SIP 1616-1881  
 Sampler - 1900 ml gas  
 100 ml mud (filtrate) 1425 psi

DST #4, 6625-6665', St. Louis: Times - 30 - 60 - 90 - 120.  
 Recovery - 360' DM  
 550' at top of tool  
 Pressures - HP 2142-3031  
 FP 101-168, 168-313  
 SIP 2766-2755

RECEIVED  
STATE CORPORATION COMMISSION

MAR 14 1990