

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

ORIGINAL

API NO. 15- 175-20,561-0002  
County Seward  
C - SE - SE - Sec. 28 Twp. 34S Rge. 34  E  W

Operator: License # 04782

Name: Ensign Operating Co.

Address P. O. Box 2161

City/State/Zip Liberal, KS. 67905-2161

Purchaser: Timberland Gas

Operator Contact Person: Wes Willimon

Phone (316) 626-8131

Contractor: Name: \_\_\_\_\_

License: \_\_\_\_\_

Wellsite Geologist: \_\_\_\_\_

Designate Type of Completion  
 New Well  Re-Entry  Workover

Oil  SWD  SIOW  Temp. Abd.  
 Gas  ENHR  SIGW  
 Dry  Other (Core, WSW, Expl., Cathodic, etc)

If Workover/Re-Entry: old well info as follows:

Operator: Rosel Energy Inc.

Well Name: Blaser #2-28

Comp. Date 7/16/87 Old Total Depth 6670'

Deepening  Re-perf.  Conv. to Inj/SWD  
 Plug Back  PBSD  
 Commingled  Docket No. \_\_\_\_\_  
 Dual Completion  Docket No. \_\_\_\_\_  
 Other (SWD or Inj?)  Docket No. \_\_\_\_\_

8/10/99 8/16/99  
SPUD DATE Date Reached TD Completion Date  
Start Workover

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CONSERVATION DIVISION  
WICHITA, KS

660 Feet from  NW (circle one) Line of Section

660 Feet from  EW (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:  
NE,  NW or SW (circle one)

Lease Name Blaser Well # 2-28

Field Name Hugoton

Producing Formation Chase

Elevation: Ground 2916' KB 2926'

Total Depth 6670' PBSD 2753'

Amount of Surface Pipe Set and Cemented at 1631 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 cnt.

Drilling Fluid Management Plan Rework, 10-19-99  
(Data must be collected from the Reserve Pit) UC

Chloride content \_\_\_\_\_ ppm Fluid volume \_\_\_\_\_ bbls

Dewatering method used \_\_\_\_\_

Location of fluid disposal if hauled offsite: \_\_\_\_\_

Operator Name \_\_\_\_\_

Lease Name \_\_\_\_\_ License No. \_\_\_\_\_

Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ Rng. \_\_\_\_\_ E/W

County \_\_\_\_\_ Docket No. \_\_\_\_\_

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 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 geologist well report 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.

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 Wes Willimon

Title Production Supt. Date 10/15/99

Subscribed and sworn to before me this 15th day of October, 19 99.

Notary Public William L. Waldorf

Date Commission Expires Sept. 19, 2002

NOTARY PUBLIC - State of Kansas  
WILLIAM L. WALDORF  
My Appt. Exp. 09-19-2002

K.C.C. OFFICE USE ONLY  
F  Letter of Confidentiality Attached  
C  Wireline Log Received  
C  Geologist Report Received  
Distribution  
 KCC  SWD/Rep  NGPA  
 XGS  Plug  Other (Specify)

Operator Name Ensign Operating Co.

Lease Name Blaser

Well # 2-28

East

County Seward

Sec. 28 Twp. 34S Rge. 34

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  Yes  No  
(Attach Additional Sheets.)

Samples Sent to Geological Survey  Yes  No

Cores Taken  Yes  No

Electric Log Run  Yes  No  
(Submit Copy.)

List All E.Logs Run:

<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datums	<input type="checkbox"/> Sample
Name	Top	Datum
Herrington	2637'	
Krider	2690'	
Lower Krider	2717'	

CASING RECORD <input checked="" type="checkbox"/> New <input 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 1/2"	8-5/8"	24#	1631'	Common	800	
Production	7-7/8"	4 1/2"	10.5#	2820'	Class H	200	

Purpose:	Depth		Type of Cement	#Sacks Used	Type and Percent Additives
	Top	Bottom			
<input type="checkbox"/> Perforate					
<input type="checkbox"/> Protect Casing					
<input type="checkbox"/> Plug Back TD					
<input type="checkbox"/> Plug Off Zone					

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type	Acid, Fracture, Shot, Cement Squeeze Record	
	Specify Footage of Each Interval Perforated	(Amount and Kind of Material Used)	Depth
2 JSPF	2641-45'; 2650-60'; 2676-2682'; 2704-14'	5,000 Gal. of 20% HCL Acid	Perfs.
	CIBP @ 2690'	Fracture Treated on 8/11/99 (See Attached Report)	

TUBING RECORD	Size	Set At	Packer At	Liner Run
	2-3/8"	2741'		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Date of First, Resumed, Production, SWD or Inj.	Producing Method
Dec. 17, 1999	<input type="checkbox"/> Flowing <input checked="" 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
		0		100		1	N/A	

Disposition of Gas:  
 Vented  Sold  Used on Lease  
 (If vented, submit ACO-18.)

METHOD OF COMPLETION  
 Open Hole  Perf.  Dually Comp.  Commingled  
 Other (Specify)

Production Interval  
2641-2714'

ORIGINAL

ENSIGN OPERATING CO  
BLASER # 2  
660 F#L - 660 F#L  
SEC 28 - T34S - R34W  
SEWARD COUNTY, KANSAS

2916' KB: 2926'  
RTD: 2800'  
PBD: 2670'  
PROD CSG: 4-1/2", 10.5#/FT, CSA 2800'  
PERFS: 2641'-45', 2650'-60', 2676'-82' & 2704'-14'

08/11/99 OPERATIONS @ 7:00 A.M. : PBD 2753', PERFS, 2641'-45', 2650'-60', 2676'-82', 2704'-14' / PREP TO FRACTURE TREAT PERFS FROM 2704'-14'.

**WORK DONE 08/10/99 (DAY 1)** MIRU, RU BRUCE WELL SERVICE RIG # 1. FCP 20 PSIG, SITP 20 PSIG. BLOW DOWN TBG & CSG. UNPACK WELLHEAD. LOWER TBG 11" & TAG FILL @ 2751'. TOH W/ 85 JTS 2-3/8", 4.7#/FT, 8R, EUE, R-2, J-55, B-COND TBG & SN. STRAPPED TBG COMING OUT OF HOLE. RIH W/ 4-1/2" X 2-3/8" MECHANICAL SET CIBP, 4-1/2" X 2-3/8" ARROW SET 1X PKR, SN & 85 JTS 2-3/8" TBG. SET CIBP PLUG @ 2742'. RELEASE PKR FROM BRIDGE PLUG. SET PKR @ 2740'. LOAD TBG W/ 10 BBLS 2% KCL WTR. PRESS TEST TBG & BP TO 1500 PSIG. HELD TIGHT. LD 2 JTS 2-3/8" TBG. RIH W/ 1- EA 10' & 4' J-55 TBG SUBS. RESET PKR @ 2690 W/ 20,000 LBS COMPRESSION. PACK OFF WELLHEAD. SHUT WELL IN, SDFD.

08/12/99 OPERATIONS @ 7:00 A.M. : PBD 2753', PERFS, 2641'-45', 2650'-60', 2676'-82', 2704'-14', PREP TO SWAB TEST.

**WORK DONE 08/11/99 (DAY 2)** 11 HR SITP 0 PSIG, SICP 80 PSIG. BLOW DN TBG & CSG. ~~PERFS TREATED PERFS FROM 2704'-14'~~ DOWN 2-3/8" TBG W/ 8400 GALS 28% FE ACID CONT'G 3 GAL/M SGA HT GELLING AGENT, 3 GAL/M HC-2 SURFACTANT, 1 GAL/M HAI 81 CORROSION INHIBITOR, COMINGLED W/ 50 QUALITY FOAM AS FOLLOWS:

- 1) P 16,800 GALS 28% GELLED ACID COMINGLED W/ 50 QUALITY FOAM. FLUID RATE 4 BPM, N2 RATE 1955 SCFM, TOTAL RATE 8 BPM, 96,200 SCF. MTP 1410 PSIG, ATP 950 PSIG, AIR 8 BPM.
- 2) P 420 GALS 2% KCL COMINGLED W/ 75 QUALITY FOAM. FLUID RATE 2 BPM, N2 RATE 2920 SCF/M, TOTAL RATE 8 BPM, 8500 SCF TO DISPLACE STAGE 1. MTP 1410 PSIG, ATP 1010 PSIG, AIR 8 BPM.
- 3) LEFT WELL SI FOR 30 MIN TO ALLOW FRACTURE TO CLOSE. SITP 355 PSIG AFTER 30 MIN SI.
- 4) P 5500 GALS 28% ACID COMINGLED W/ 50 QUALITY FOAM. FLUID RATE 1 BPM, N2 RATE 487 SCF/M, TOTAL RATE 2 BPM, 29,600 SCF. MTP 425 PSIG, ATP 350 PSIG, AIR 2 BPM.
- 5) P 420 GALS 2% KCL WTR COMINGLED W/ 75 QUALITY FOAM. FLUID RATE .5 BPM, N2 RATE 729 SCF/M, 10,400 SCF, MTP 690 PSIG ATP 650 PSIG, AIR 2 BPM. ISIP 418 PSIG, 15 MIN SIP 350 PSIG. TLTR 265 BAW, 20 BLW.

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08/12/99 OPERATIONS @ 7:00 A.M. : PBDT 2753', PERFS, 2641'-45', 2650'-60', 2676'-82', 2704'-14', PREP TO SWAB TEST.

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Frac  
Treatment

RU FLOWLINE TO RESERVE PIT. SET ADJUSTABLE CHK ON 32/64". START FLOWING BACK LOAD WATER TO TEST TANK. WELL FLOWED 7 BLW IN 2 HRS AND DIED. RIG UP SWAB TOOLS AND SWAB CHASE ZONE 2704'-2714' THROUGH 2 3/8" TBG FOR 4 HRS AND 20 SWAB RUNS. FIND IFL @ 1500'. SWAB 3-BLW AND 9 BAW. SWABBING FROM 2680'. FFL @ 2000' AND SCATTERED. NO SHOW OF

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