

ORIGINAL

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

API NO. 15- 175-21804-0000
County Seward
NW - SE - SE - Sec. 9 Twp. 31S Rge. 32 X W

CONFIDENTIAL

Operator: License # 04782

1250 Feet from WN (circle one) Line of Section

Name: Ensign Operating Co.

1250 Feet from EW (circle one) Line of Section

Address P. O. Box 2161

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

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

Lease Name McCune Well # 2-9

Purchaser: Oneok

Field Name Hugoton

Operator Contact Person: Wes Willimon

Producing Formation Chase

Phone (316) 626-8131

Elevation: Ground 2858' KS 2864'

Contractor: Name: Cheyenne Drlg. Inc. KCC

Total Depth 2742' PSTD 2731'

License: #5382

Amount of Surface Pipe Set and Cemented at 560' Feet

Wellsite Geologist: None 2001

Multiple Stage Cementing Collar Used? Yes X No

Designate Type of Completion
X New Well Re-Entry Workover

If yes, show depth set _____ Feet

If Alternate II completion, cement circulated from _____

feet depth to _____ w/ _____ sz cnt.

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

Drilling Fluid Management Plan ALT 1 4/5/01 AB
(Data must be collected from the Reserve Pit)

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

Chloride content 16,000 ppm Fluid volume 2850 bbls

Operator: _____

Dewatering method used Evaporation & Backfill To Original Contour.

Well Name: _____

Location of fluid disposal if hauled offsite: _____

Comp. Date _____ Old Total Depth _____

RELEASED

Deepening Re-perf. Conv. to Inj/SWD
Plug Back PSTD
Commingled Bucket No. _____
Dual Completion Bucket No. _____
Other (SWD or Inj?) Bucket No. _____

Operator Name _____

Lease Name MAY 17 2002 License No. _____

09/18/2000 09/21/2000 11/17/2000
Spud Date Date Reached TD Completion Date

Quarter 3 Sec. _____ Twp. _____ Rng. _____ E/W

County _____ Bucket No. _____

FROM CONFIDENTIAL

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 Jan. 15, 2001

Subscribed and sworn to before me this 15th day of January, 2001.

Notary Public William L. Wells

Date Commission Expires Sept. 19th, 2002

NOTARY PUBLIC - State of Kansas

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

SIDE TWO

Operator Name Ensign Operating Co. Lease Name McCune Well # 2-9

Sec. 9 Twp. 31S Rge. 32 East West
 County Seward

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:

Log Formation (Top), Depth and Datum Sample

Name	Top	Datum
Base of Stone Corral	1748'	1116'
Wellington	2158'	706'
Herrington (Chase)	2591'	273'
Upper Krider	2609'	255'
Lower Krider	2655'	209'
Winfield	2692'	172'

See attached CBL, CNL

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#	560'	Howco Lite Prem. Plus	150 125	2% CC; 1/2#/Sx. Flocele
Production	7-7/8"	4 1/2"	10.5#	2742'	50/50 Poz Class 'C'	240 150	1/2#/Sx. Flocele

ADDITIONAL CEMENTING/SQUEEZE RECORD

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
4 JSPF	2618 - 2642'		- SEE ATTACHMENT -	
4 JSPF	2484 - 2486' & 2592 - 2598'			

TUBING RECORD Size 2-3/8" Set At 2653' Packer At N/A Liner Run Yes No

Date of First, Resumed Production, SWD or Inj. Nov. 17th, 2000 Producing Method Flowing Pumping Gas Lift Other (Explain)

Estimated Production Per 24 Hours	Oil	Bbls.	Gas	Mcf	Water	Bbls.	Gas-Oil Ratio	Gravity
		0		16		60	N/A	---

Disposition of Gas: Vented Sold Used on Lease (If vented submit APC-42)
 METHOD OF COMPLETION: Open Hole Perf. Dually Comp. Commingled
 Production Interval 2618 - 2642'

CONFIDENTIAL

ORIGINAL

DRILLER'S LOG

ENSIGN OIL & GAS, INC.
McCUNE 2-9
SECTION 9-T31S-R32W
SEWARD COUNTY, KANSAS

KCC

2001

CONFIDENTIAL

COMMENCED: 09-18-00
COMPLETED: 09-21-00

RELEASED

MAY 17 2002

SURFACE CASING: 560' OF 8 5/8" CMTD
W/150 SKS HLC + 2% CC + 1/4#/SK
FLOCELE. TAILED W/125 SKS PREMIUM
PLUS + 2%CC + 1/4#/SK FLOCELE.

FROM CONFIDENTIAL

FORMATION

DEPTH

SURFACE HOLE	0 - 560
RED BED	560 - 1190
GLORIETTA	1190 - 1337
RED BED	1337 - 2702
LIMESTONE & SHALE	2702 - 2742 RTD

I DO HEREBY CERTIFY THAT THE FOREGOING STATEMENTS ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

CHEYENNE DRILLING, INC.

WRAY VALENTINE

STATE OF KANSAS: ss:

SUBSCRIBED AND SWORN TO BEFORE ME THIS 21ST DAY OF SEPTEMBER, 2000.

JOLENE K. RUSSELL

NOTARY PUBLIC

~~CONFIDENTIAL~~

CONFIDENTIAL

ORIGINAL

ENSIGN OPERATING CO
McCUNE # 2-9
1250' FSL - 1250' FWL
SEC 9 - T31S - R32W
SEWARD CO, KS
10/02/00(CONT).

GL: 2890' KB: 2896
RTD: 2742'
PBD 2731'
PERFS: 2618'-42'
4 1/2", 10.5 WFT CSA 2742'

PERFORATED THE UPPER KRIDER ZONE IN 2 RUNS W/ 3-3/8" CSG GUN PHASED 120 DEGREES, 4 JSPF, 96 HOLES, 23 GRAM CHARGES, .43" HOLES. FL REMAINED SAME AFTER PERFORATING. MADE 4 RUNS W/ CSG SWAB & SWABBED CSG DRY. HAD GOOD SHOW OF GAS AHEAD OF SWAB. SHUT WELL IN, RDMO.

KCC

2001

FINAL REPORT UNTIL FURTHER ACTIVITY

CONFIDENTIAL

10/18/00 OPERATIONS @ 7:00 AM: RTD 2742': PBD 2731', PERFS 2618' TO 2642'. PREP TO RIH W/ COIL TBG TO CO SD..

WORK DONE 10/17/00 (DAY 3) SICP 15 PSI (COLLAR LEAKING ON WELLHEAD). HES ACIDIZED PERFS FROM 2618'-42' DOWN 4-1/2" CSG W/ 2000 GALS 7.5% FE ACID CONT'G 1 GAL/M SSO 21M, 1 GAL/M HAI 81M W/ 200 BALL SEALERS. FLUSHED W/ 1400 GAL 20% LINEAR GEL FLUSH. FORMATION BROKE @ 1000 PSI @ 5 BPM, ATP 417 PSI, AIR 8 BPM. 33 BLWTR, 48 BAWTR. BALLED OFF PERFORATIONS. THE ROSEL CO RIH W/ JUNK BASKET ON WIRELINE INSIDE 4-1/2" CSG TO KNOCK BALL SEALERS OFF PERFS. HES FRACTURE TREATED PERFS FROM 2618'-42' DOWN 4-1/2" CSG W/ 32,844 GALS DELTA FRAC GEL W/ 76,100 LBS 12/20 BROWN SD AS FOLLOWS. FRAC FLUID CONTAINED .005 GAL/M N-ZYME, 2 GAL/M SSO -1, 2 GAL/M CLAFIX II & .15 LBS /M BE 3S.

- 1) P 10,000 GALS DELTA PAD
- 2) P 5000 GALS DELTA GEL W/ 1-4 PPG 12/20 MESH SD
- 3) P 5000 GALS DELTA GEL W/ 4 PPG 12/20 MESH SD
- 4) P 5000 GALS DELTA GEL W/ 5 PPG 12/20 MESH SD
- 5) P 3000 GALS DELTA GEL W/ 6 PPG 12/20 MESH SD
- 6) P 1782 GALS LINEAR GEL FLUSH

RELEASED

MAY 17 2002

FROM CONFIDENTIAL

MTP 879 PSIG, ATP 326 PSIG, AIR 20 BPM. ISIP 617 PSIG, 5 MIN 519 PSIG, 10 MIN 465 PSIG, 15 MIN 415 PSIG. BLWTR 782. SHUT WELL IN, SDFD.

10/18/00 OPERATIONS @ 7:00 AM: RTD 2742': PBD 2731', PERFS 2618' TO 2642'. PREP TO RIH W/ COIL TBG TO CO SD..

WORK DONE 10/18/00 (DAY 4) 15 HR SIP 0 PSI. THE WEATHERFORD CO RIH W/ 1-1/4" COIL TBG INSIDE 4-1/2" CSG TAG SD @ 2650'. ESTABLISH CIRCULATION W/ FOAM & AIR. CO SD DOWN TO PBD @ 2731'. CIRCULATE & WASH SD FOR 10 HRS CO APROX 100' OF SD & APROX 100 BLW. CIRCULATING TO RESERVE PIT. HAD SHOW OF GAS W/ HEAVY MIST OF WATER & MEDIUM SD. POOH W/ COIL TBG. SHUT WELL IN, SDFD. BLWTR 682.

RECEIVED

5/17/02

MAY 18 2002