

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

API NO. 15- 129-21137

32-31-39W

RELEASED

County Morton

OCT 7 1993

SE - SE - SW Sec. 32 Twp. 31 Rge. 39 ^E _W

330 Feet from (S)N (circle one) Line of Section

235 Feet from E(W) (circle one) Line of Section

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

Lease Name Loren Sullivan Well # 1

Field Name Kinsler-Coover Oil Pool

Producing Formation Morrow

Elevation: Ground 3,260' KB 3,271'

Total Depth 6,200' PBTD 5,936'

Amount of Surface Pipe Set and Cemented at 1,754' Feet

Multiple Stage Cementing Collar Used? X Yes X No

If yes, show depth set 2,986' Feet

If Alternate II completion, cement circulated from _____

feet depth to _____ w/ _____ sx cat.

Drilling Fluid Management Plan ALT 1 RP 10-26-92
(Data must be collected from the Reserve Pit)

Chloride content 5800 ppm Fluid volume 2140 bbls

Dewatering method used dried and filled

Location of fluid disposal if hauled offsite: _____

Operator Name _____

Lease Name _____ License No. _____

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

County _____ Docket No. _____

Operator: License # 5952

Name: Amoco Production Company

Address P.O. Box 800, Rm. 2444

City/State/Zip Denver, CO 80201

Purchaser: _____

Operator Contact Person: Julie Victor

Phone (303) 830-4009

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: N/A

Well Name: _____

Comp. Date _____ Old Total Depth _____

Deepening Re-perf. Conv. to Inj/SWD

Plug Back _____ PBTD _____

Commingled _____ Docket No. _____

Dual Completion _____ Docket No. _____

Other (SWD or Inj?) _____ Docket No. _____

7/31/92

8/9/92

8/16/92

Spud Date

Date Reached TD

Completion Date

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 Julie Victor

Title Permitting Representative Date 9/9/92

Subscribed and sworn to before me this 9 day of September, 1992.

Notary Public Natalie M. Hook

Date Commission Expires December 26, 1994

K.C.C. OFFICE USE ONLY		
F	<input type="checkbox"/>	Letter of Confidentiality Attached
C	<input type="checkbox"/>	Wireline Log Received
C	<input type="checkbox"/>	Geologist Report Received
Distribution		
<input checked="" type="checkbox"/>	KCC	<input type="checkbox"/> SWD/Rep
<input checked="" type="checkbox"/>	KGS	<input type="checkbox"/> Plug
<input type="checkbox"/>		<input checked="" type="checkbox"/> NGPA
		<input type="checkbox"/> Other (Specify)

Operator Name Amoco Production Company Lease Name Loren Sullivan Well # 1
 Sec. 32 Twp. 31 Rge. 39 East county Morton
 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 (Attach Additional Sheets.)	<input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Lime & Shale	1,754'	Marmaton 4,725'
Electric Log Run (Submit Copy.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Shale & Lime	2,100'	Lime, Shale & Marmaton 5,148'
List All E.Logs Run:		Lime & Shale	2,956'	Marmaton 5,281'
		Shale & Lime	3,535'	Marmaton 5,465'
		Lime, Shale & Heebner	3,778'	Lime & Shale 5,763'
		Lime & Shale	4,015'	St. Louis 6,143'
		Shale & Lime	4,260'	
		Lime, Shale & Marmaton	4,515'	

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	12-1/4"	8-5/8"	24#	1,754'	Class C	735	
Production	7-7/8"	5-1/2"	15.5#	6,200'	Class H	660 - Stage 1	
						695 - Stage 2	

ADDITIONAL CEMENTING/SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<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 SPF	5504-5512'		

TUBING RECORD	Size	Set At	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
N/A				

Date of First, Resumed Production, SWD or Inj.	Producing Method
SI	<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 Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	374	501	0	1340	41.5

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: 5504-5512'

Mid-Continent PBU Completion

File: DWB-103-400.1

Date: 08/12/92

Lease and Well: Loren Sullivan No. 1 Field: Coover Kinsler

Formation: Upper Morrow Location: SW/4 Sec 32, T31S, R39W

County: Morton State: Kansas

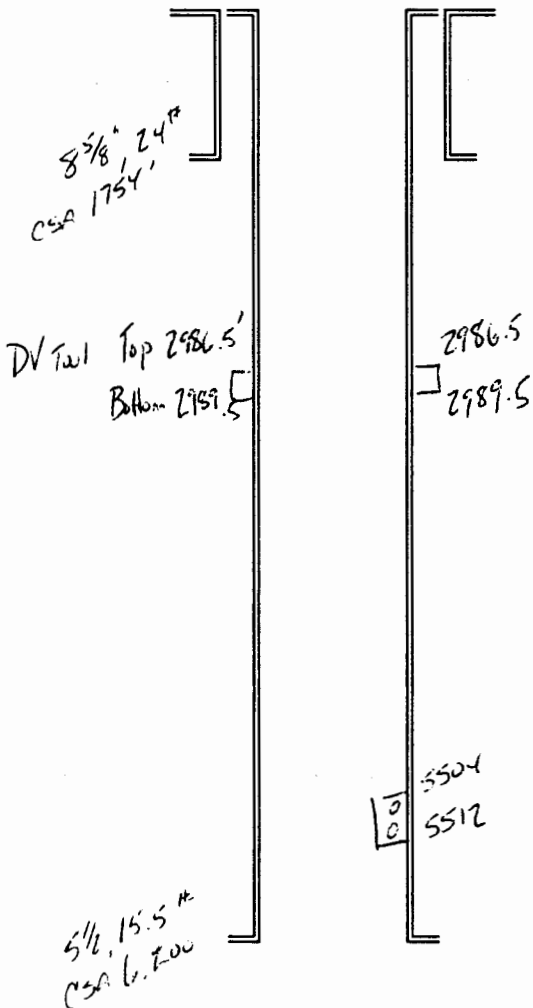
KB: 3,271' GL: 3,260' CSG: 5-1/2" 15.5 # CSA: 6,200'

TD: 6,200' PBD: 6,155' CSG: 8-5/8" 24.0 # CSA: 1,754'

Perfs: 5,504'-5,512'

Logs: SDL/DSN, DIL, Microlog, Spectralog

WELLBORE SKETCH PROCEDURE



1. MIXRUSU, Drill out DV tool and clean out well to float collar at approximately 6,112'. Circ hole clean with 2% KCL water. RIH x CBL and log well to DV tool x 500 psi on casing.
2. RIH x Gamma Ray Correlation Log x run from PBD to 2,000'. TIH x 2-7/8 inch tubing and swab casing down to approximately 5,400'. TOH x tubing.
3. Make up tubing conveyed gun assembly to perf density log interval 5,504' to 5,512' x 4 spf, 90 degree phasing. TIH without packer, instead run with tubing anchor 2 joints above SN on end of tubing. Space out guns with gamma ray log and perforate.
4. Drop guns into rat hole and flow test well into frac tanks. Please record FTP, FCP, choke setting, gas rate, oil rate, and oil cut. Please record this information on an hourly basis until flow rates stabilize.
5. Build tank battery, flow well until rates stabilize, and final well as a shut-in oil well waiting on pipeline.

CARPENTER SERVICE CO., INC.

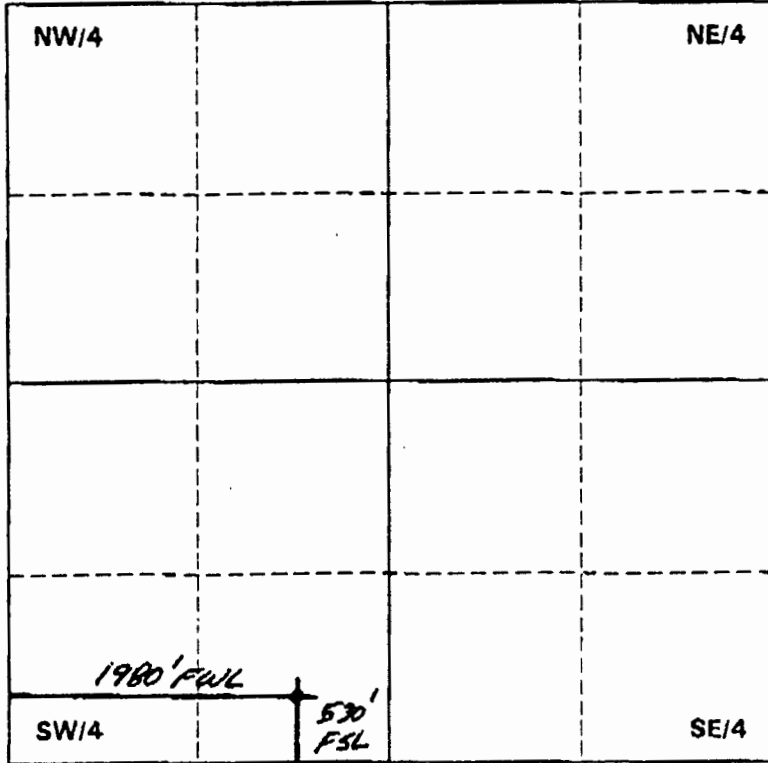
BOX 585
ULYSSES, KANSAS

PLAT # 76921

Re. Stake

GAS-OIL WELL LOCATION AND/OR ELEVATIONS

Scale 4" = 1 Mile



DATE July 6, 1992

OPERATOR Amoco Production Co.

well name Loren Sullivan #1

LOCATION Morton 32 31s 39w
county sec tow ran

FOOTAGES & RELATIONS 1980' FW
530' FSL

ELEVATION 3260.48' gr.

Authorized By: Earl Leith

SPECIAL NOTES: _____

Distance from
#1 Hugoton Well N/A

Driving Directions from: Big Bow junction
& Hwy 160

Stake: 4' 1x2 with a 4' lathe taped to the top of it,
both well flagged, and a 2' hub stake set beside

Crop: Sloping irrigated wheat stubble

Water Well: Domestic water well 404.03'
SW of stake

City Water: None

Airport: None

Pipeline: None detected

Contacted Kansas One-Call
Ticket # 91549

13 S to County Line
3/4 W to curve
4 S
1 W
2 S
3/4 E to homestead
Stake is 530' N

Stake, elevation
& detection,

\$ _____

\$ _____

Total

Thank you,
Tim McAnulty