

SECRET-NOFORN

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NEW ACO-1 FORM

SIDE ONE

STATE CORPORATION COMMISSION OF KANSAS
OIL & GAS CONSERVATION DIVISION

WELL COMPLETION OR RECOMPLETION FORM ACO-1 WELL HISTORY

DESCRIPTION OF WELL AND LEASE

Operator: license # 5463
name Samson Resources Company
address Samson Plaza
Two West Second Street
City State Zip Tulsa, Oklahoma 74103

Operator Contact Person R. J. Davis
Phone (918) 583-1791

Contractor: license # 5420
name White & Ellis Drilling, Inc.

Wellsite Geologist Keith Reavis
Phone (316) 792-1383

PURCHASER Bigheart

Designate Type of Completion

	New Well	Re-Entry	Workover
<input checked="" type="checkbox"/>	Oil	<input type="checkbox"/> SWD	<input type="checkbox"/> Temp Abd
<input type="checkbox"/>	Gas	<input type="checkbox"/> Inj	<input type="checkbox"/> Delayed Comp.
<input type="checkbox"/>	Dry	<input type="checkbox"/> Other (Core, Water Supply etc.)	

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

WELL HISTORY

Drilling Method: Mud Rotary Air Rotary Cable

4-12-85	4-19-85	4-19-85
Spud Date	Date Reached TD	Completion Date
3899'	3859'	
Total Depth	PBTD	

Amount of Surface Pipe Set and Cemented at 279 feet

Multiple Stage Cementing Collar Used? Yes No

If Yes, Show Depth Set 1766 feet

If alternate 2 completion, cement circulated from 1766 feet depth to Surface w/ 500 SX cmt

API NO. 15 - 065-22,173 - 00-00

County Graham

NW NE SE (location) Sec 13 Twp 9 Rge 22 West

2310 Ft North from Southeast Corner of Section
990 Ft West from Southeast Corner of Section
(Note: locate well in section plat below)

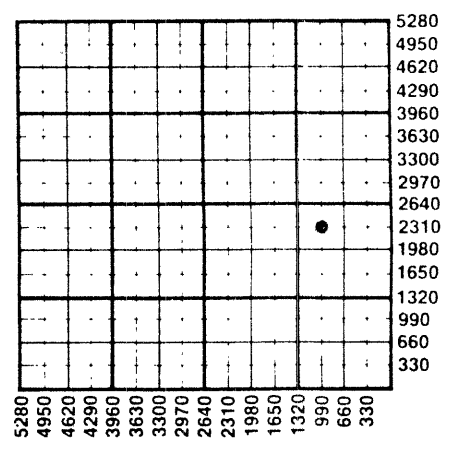
Lease Name Buss D Well# 4

Field Name Morel

Producing Formation Arbuckle

Elevation: Ground 2279' KB 2284'

Section Plat



WATER SUPPLY INFORMATION

Source of Water:
Division of Water Resources Permit # N/A

Groundwater Ft North From Southeast Corner and
(Well) Ft. West From Southeast Corner of
Sec Twp Rge East West

Surface Water Ft North From Southeast Corner and
(Stream, Pond etc.) Pond Ft West From Southeast Corner
NW/4 Sec 11 Twp 9S Rge 22 East West

Landowners (George Buss) and Roy Van Loenen
 Other (explain) Hauled by White & Ellis Corp.
(purchased from city, R.W.D.#)

Disposition of Produced Water: Disposal Repressuring
Docket # D-24,221

INSTRUCTIONS: This form shall be completed in duplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 90 days after completion or recompletion of any well. Rules 82-3-130 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 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 R. J. Davis
Title District Engineer Date 11-13-85

Subscribed and sworn to before me this 13 day of November 19 85

Notary Public Joyce E. Schaefer
Date Commission Expires July 24, 1986

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)

RECEIVED
STATE CORPORATION COMMISSION (7-84)
11/15/85
NOV 15 1985

Sec 13 Twp 9 Rge 22W

SIDE TWO

Operator Name Samson Resources Company Lease Name Buss D. Well# 4 SEC. 13 TWP. 9 RGE. 22

East
 West

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

LOG TOPS

Heebner	3444	(-1160)
Toronto	3458	(-1184)
Lansing	3484	(-1200)
Base/Kansas City	3692	(-1408)
Conglomerate	3767	(-1483)
Arbuckle	3796	(-1510)
R.T.D.	3900	(-1616)
L.T.D.	3896	(-1612)

Name	Top	Bottom
Shale	0'	279'
Shale, Lime & Dol.	279'	3450'
Shale, Lime	3450'	3900'
R.T.D.		3900'

CASING RECORD <input 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 Production	14-3/4" 9-1/2"	10-3/4" 7"	51# 23#	279' 3899'	60/40. poz. Class H	210 750	3% cc. 5% calscal & 18% salt
PERFORATION RECORD				Acid, Fracture, Shot, Cement Squeeze Record			
shots per foot	specify footage of each interval perforated			(amount and kind of material used)			Depth
2	3796' to 3801'			None			
TUBING RECORD				Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
Date of First Production		size 2-7/8" set at 3796' packer at None					
Producing method		<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	Gas	Water	Gas-Oil Ratio	Gravity		
	7.5 Bbls	None MCF	370 Bbls	CFPB	39		

Disposition of gas: vented
 sold
 used on lease

METHOD OF COMPLETION
 open hole perforation
 other (specify)

Dually Completed.
 Commingled

PRODUCTION INTERVAL
 3796' to 3801'

SIDE TWO

Operator Name J.R.C. Lease Name Buss D. Well # 4 SEC. 13 TWP. 9 RGE. 22 East West

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

Log Tops

Heebner	3444	(-1160)
Toronto	3458	(-1184)
Lansing	3484	(-1200)
Base/Kansas City	3692	(-1408)
Conglomerate	3767	(-1483)
Arbuckle	3796	(-1510)
R.T.D.	3900	(-1616)
L.T.D.	3896	(-1612)

Name	Top	Bottom
Shale	0'	279'
Shale, Lime & Dol.	279'	3450'
Shale + Sand	3450'	3900'
Rotary Total Depth		3900'

CASING RECORD <input 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 Production	14-3/4" 9-1/2"	10-3/4" 7"	51# 23#	279' 3899'	60/40 poz Class H	2.10 7.50	3% cc 5% calocal + 18% salt
PERFORATION RECORD				Acid, Fracture, Shot, Cement Squeeze Record			
shots per foot	specify footage of each interval perforated			(amount and kind of material used)			Depth
2	3796' to 3801'			None			
TUBING RECORD				Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
Date of First Production		Producing method <input type="checkbox"/> flowing <input checked="" type="checkbox"/> pumping <input type="checkbox"/> gas lift <input type="checkbox"/> Other (explain)		size 2-7/8' set at 3796' packer at None			
Estimated Production Per 24 Hours	Oil	Gas	Water	Gas-Oil Ratio	Gravity		
	7.5 Bbls	none MCF	370 Bbls	—	39		

Disposition of gas: vented sold used on lease
 METHOD OF COMPLETION: open hole perforation other (specify)
 PRODUCTION INTERVAL: 3796' to 3801'

WELL #4 3832-0000 OPERATOR : S R C
 ASPECT : CONTRACT : WHITE & ELLIS DRLG CO, RIG #
 GAL : 13-95-22W SURF LOC : 990' FEL & 2310' FSL
 COUNTY : GRAHAM ELEV : GL 2279', DF 2283', KB 2284'
 STATE : KANSAS PR TD : 3,880'
 (KB / JD -)

4/13/85 CURRENT DEPTH: 287' DAILY PROGRESS: 267'

* SPUD @ 3:00 PM, 4-12-85.

Shale. TOH to run surface csg. RU & ran @ jts 10-3/4", 51# K-55 csg. Set @ 279' & cmt'd w/210 sx. Good circ. WOC.

AFE DHC	69,600	AFE DAYS	00637
DAILY COST	19,837	DAYS SINCE SPUD :	1
CUMULATIVE COST :	19,837		

4/14/85 CURRENT DEPTH: 1,878' DAILY PROGRESS: 1,591'

Shale. Fin WOC. NU BOP's. TIH w/new bit & resume drlg.

AFE DHC	69,600	AFE DAYS	00637
DAILY COST	11,289	DAYS SINCE SPUD :	2
CUMULATIVE COST :	31,126		

4/15/85 CURRENT DEPTH: 2,430' DAILY PROGRESS: 552'

Shale. Trip for bit & resume drlg.

AFE DHC	69,600	AFE DAYS	00637
DAILY COST	4,126	DAYS SINCE SPUD :	3
CUMULATIVE COST :	35,252		

4/16/85 CURRENT DEPTH: 3,061' DAILY PROGRESS: 631'

Shale. Drlg ahead.

AFE DHC	69,600	AFE DAYS	00637
DAILY COST	4,659	DAYS SINCE SPUD :	4
CUMULATIVE COST :	39,911		

4/17/85 CURRENT DEPTH: 3,450' DAILY PROGRESS: 389'

Shale. Trip for bit & resume drlg. MW 9.6.

AFE DHC	69,600	AFE DAYS	00637
DAILY COST	4,617	DAYS SINCE SPUD :	5
CUMULATIVE COST :	44,528		

4/18/85 CURRENT DEPTH: 3,735' DAILY PROGRESS: 285'

Shale & sand. MW 9.7.

AFE DHC	69,600	AFE DAYS	00637
DAILY COST	2,924	DAYS SINCE SPUD :	6
CUMULATIVE COST :	47,452		

4/19/85 CURRENT DEPTH: 3,900' DAILY PROGRESS: 165'

Circ & POH to log. RU & ran DIL/GR, CN/CD. TIH & circ to run csg. MW 9.2.

AFE DHC	69,600	AFE DAYS	00637
DAILY COST	7,309	DAYS SINCE SPUD :	7
CUMULATIVE COST :	54,761		

4/20/85 CURRENT DEPTH: 3,900' DAILY PROGRESS: 0'

RU & ran 92 jts 7", 23#, K-55, LT&C csg. Set @ 3899' w/DV tool @ 1766'. ~~Cmt'd 1st stage w/250 sx.~~ Open DV tool & circ. Cmt'd 2nd stage w/500 sx.
 * Released rig @ 5:45 PM, 4-19-85.

** DROP FROM REPORT PENDING COMPLETION **

AFE DHC	69,600	AFE DAYS	00637
DAILY COST	48,260	DAYS SINCE SPUD :	8
CUMULATIVE COST :	103,021		

CHRON COMPLETION REPORT

4/20/85

RU ID PH, power swivel & pump. Ran 6-1/8" bit on 2-7/8" tbg & drill stage tool @ 1766' in 3-1/4 hrs.

RECEIVED
STATE CORPORATION COMMISSION

OCT 16 1985

CONSERVATION DIVISION
Wichita, Kansas

State of Kansas . . . John Carlin, Governor

DEPARTMENT OF HEALTH AND ENVIRONMENT

Barbara J. Sabol, Secretary

Forbes Field
Topeka, Kansas 66620
913-862-9360



September 24, 1985

Re: Samson Resources Company
Buss "C" Lease
Well No. 6
NE/4 of Sec. 13-9S-22W
Graham County, Kansas
Disposal of Salt Water
Permit No. D-24,221

*Application
Filed 8-22-85
Waiting on
Docket Number
10-11-85*

Mr. William R. Bryson, Director
State Corporation Commission
Conservation Division
200 Colorado Derby Bldg.
Wichita, Kansas 67202

Dear Mr. Bryson:

This Department favors the issuance of a salt water disposal permit to Samson Resources Company to use their Well No. 6 on the Buss "C" Lease located in the NE SE SW NE/4 of Section 13-9S-22W, Graham County, Kansas, as a salt water disposal well.

The salt water is to be introduced into the Arbuckle and Quartzite-Granite Wash Formations with open hole from a depth of 3,898 feet to a bottom depth of 4,264 feet, maximum pressure at the wellhead not to exceed gravity.

This well is to be cased and cemented as to allow none of the mineralized water to come up the hole to contact any of the upper water.

Very sincerely yours,

Larry L. Knoche by *Michael H. Cochran*
Larry L. Knoche, Acting Bureau Director
Bureau of Oil Field and
Environmental Geology

LLK:ah/1A1
cc: Mike Larson
Samson Resources Company

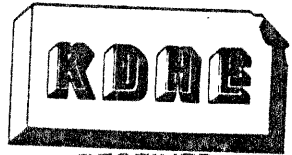
RECEIVED
STATE CORPORATION COMMISSION

OCT 16 1985

CONSERVATION DIVISION
Wichita, Kansas



Joint Oil/Gas Regulatory Offices



WICHITA CENTRAL OFFICE
200 Colorado Derby Building
202 West 1st Street
Wichita 67202
(316) 263-3238

RECEIVED
STATE CORPORATION COMMISSION

OCT 16 1985

CONSERVATION DIVISION
Wichita, Kansas

DATE: August 12, 1985
A.P.I.: 065-22,173
LEGAL DESCRIPTION: NE NE SE 13-9-22
LEASE NAME: Buss "D" 4
OPERATOR: Samson Resources Company

Two West Second Street
Tulsa, Oklahoma 64103

DISTRICT 1
600 West Hiway 56
Edge City 67801
(316) 225-6760

Dear Operator:

On March 29, 1985 The Kansas Corporation Commission issued an order, Docket #34,780C (C-1825) supplementing K.A.R. 82-3-106, which requires that Alternate II cementation be performed within 120 days of the well's spud date. This order specifically requires a blend of Portland Cement be used in second stage cementing. The cement is to be placed at a minimum of 50' below all usable water formations and then circulated to the surface.

DISTRICT 2
202 Century Plaza
W. Douglas,
Wichita 67201
(316) 262-8330

According to our records your 120 days to properly complete your second stage cementing on the long string on the above captioned well has expired. This letter is to advise you of this requirement and your need to complete the second stage of your cementing on this well.

DISTRICT 3
West Ash,
Wichita 66720
(316) 431-6946

If you have already complied with the cementing requirements, please submit an ACO-1 for this well within two (2) weeks to the Hays Joint District Office. Failure to notify or complete second stage cementing within the specified two (2) weeks will result in an administrative penalty of \$5,000 being imposed for noncompliance. Further, the captioned well will be immediately shut in until compliance is achieved.

DISTRICT 4
Wesley Field,
Wichita 66620
(316) 862-1472

If you choose instead to plug this well, the plugging must be done prior to the two week expiration date or the administrative penalty will be assessed.

DISTRICT 5
201 Market Place
Wichita 67401
(316) 823-5225

Your cooperation in resolving this problem will be greatly appreciated. If you have questions or require additional information, please feel free to contact the Hays District #6 Office at 913-628-1200.

Sincerely,

Don Dutcher
District Officer in Charge

DB/LR
cc: Mike Cochran
David Nickel

DISTRICT 6
144 Cody,
Wichita 67601
(316) 628-1200

7" CSG was 2 stages at low
Time as Primary Job. We
mailed form U-1 to KCC on
8-22-85 for SWD and are waiting
on Docket # for ACO-1.
Attached are several copies of ACO-1
and related correspondence to SWD District
application. Instructions are not clear how
operator is to coordinate all paper work. R.D. Duff