

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

API NO. 15- 135- ~~23954-0000~~ 23954-0000

County Ness

Approx. SW - NE - SE Sec. 24 Twp. 16S Rge. 26 X E W

Operator: License # 7200

Name: Scott T. Lutz

Address P.O. Drawer D

City/State/Zip Shell Knob, MO 65747

Purchaser: _____

Operator Contact Person: Scott T. Lutz

Phone (417) 858-6628

Contractor: Name: Discovery Drilling, Inc.

License: 31548

Wellsite Geologist: Ron Nelson

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: _____

Well Name: _____

Comp. Date _____ Old Total Depth _____

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

10/21/96

10/27/96

10/28/96

Spud Date

Date Reached TD

Completion Date

1845 Feet from (S)N (circle one) Line of Section

1185 Feet from (E)W (circle one) Line of Section

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

Lease Name Nichepor Well # 10

Field Name Arnold SW

Producing Formation Mississippian

Elevation: Ground 2596 KB 2604

Total Depth 4548 PBSD _____

Amount of Surface Pipe Set and Cemented at 231.45 Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set 1960 Feet

If Alternate II completion, cement circulated from 1960

feet depth to Surface w/ 235 sx cat.

Drilling Fluid Management Plan AH 2, 3-11-98 v.c.
(Date must be collected from the Reserve Pit)

Chloride content 21,000 ppm Fluid volume 2700 bbls

Dewatering method used Evaporation

Location of fluid disposal if hauled offsite: _____

Operator Name _____

Lease Name _____ License No. _____

Quarter _____ Sec. _____ Twp. _____ S 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

Scott T. Lutz FOR SCOTT LUTZ

Title

OWNER OPERATOR

Date

12/7/97

Subscribed and sworn to before me this 7th day of JAN.

19 97

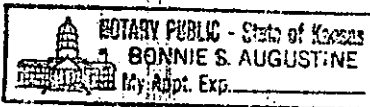
Notary Public

Bonnie S. Augustine

Date Commission Expires

07-13-99

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



Operator Name Scott T. Lutz

Lease Name Niche

Well # 10

Sec. 24 Twp. 16s Rge. 26

East

County Ness

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.)

Log Formation (Top), Depth and Datum Sample

Name Top Datum

Anhydrite 1988'
 Base Anhydrite 2019'
 P.T.D 4548

List All E.Logs Run:

Rad. Guard Log.

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 Pipe	12 1/4	8 5/8	20	231.45	60/40Poz	140	2%Gel&3%CC
Production St.	7 7/8	5 1/2	14	4534	Standard	135	2%CC&18%Salt
			DV	1960	Mid Con II	235	2%CC&1/4#FS

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
<i>Open hole</i>	<i>4534-4548'</i>	

TUBING RECORD Size Set At Packer At Liner Run Yes No

Date of First, Resumed Production, SWD or Inj. 11/9/96 Producing Method Flowing Pumping Gas Lift Other (Explain)

Estimated Production Per 24 Hours Oil 20 Bbls. Gas Mcf Water 2 Bbls. Gas-Oil Ratio Gravity

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

4534-
4548'



Discovery Drilling

P.O. Box 763 • Hays, KS 67601 • OFFICE (913) 623-2920 • CELLULAR (913) 635-1511

ORIGINAL

DRILLERS LOG

Operator: Scott T. Lutz #7200
P.O. Drawer D.
Shell Knob, MO 65747

Contractor: Discovery Drilling, Inc.
P.O. Box 763
Hays, KS 67601

Lease: Nichapor #10

Location: SW/NE/SE
Sec. 24/16S/26W
Ness Co., KS

Loggers Total Depth: 4546'

Rotary Total Depth: 4548'

Elevation: 2596 Gr/2604 KB

Commenced: 10/21/96

Completed: 10/27/96

Casing: 8 5/8 @ 231 w/140sks
5 1/2 @ 4534' w/135sks

Status: Oilwell

DEPTHS & FORMATIONS

(All measurements from K.B.)

Surface, Sand & Shales	0'	Shales	2019'
Dakota Sand	649'	Shales & Lime	2284'
Shales	850'	Shales	2402'
Cedar Hill Sand	1472'	Shales & Lime	2488'
Red Bed Shale	1780'	Lime & Shales	3878'
Anhydrite	1988'	RTD	4548'
Base Anhydrite	2019'		

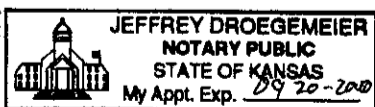
STATE OF KANSAS)
) ss
COUNTY OF ELLIS)

Thomas H. Alm of Discovery Drilling, Inc. states that to the best of his knowledge the above and foregoing is a true and correct log of the above captioned well.

Thomas H. Alm

Subscribed and sworn to before me on October 30th.

My Commission expires: 09-20-2000.



Notary Public

(place stamp or seal above)

WELL DATA

FIELD, SEC, TWP, RING, COUNTY, STATE, FORMATION NAME, TYPE, THICKNESS, PROD, PRESENT PROD, COMPLETION DATE, MISC. DATA, TOTAL DEPTH 4538

Table with columns: NEW USED, WEIGHT, SIZE, FROM, TO, MAXIMUM PSI ALLOWABLE. Includes handwritten entries for casing and tubing.

ORIGINAL

JOB DATA

TOOLS AND ACCESSORIES

Table with columns: TYPE AND SIZE, QTY, MAKE. Lists items like float collar, shoes, centralizers, plugs, and packer.

Table with columns: CALLED OUT, ON LOCATION, JOB STARTED, JOB COMPLETED. Includes dates and times.

PERSONNEL AND SERVICE UNITS

Table with columns: NAME, UNIT NO. & TYPE, LOCATION. Includes a large vertical stamp: 'RECEIVED'.

MATERIALS

Form with multiple rows for fluid types, densities, prop. types, acid types, surfactant types, and breaker types.

DEPARTMENT, DESCRIPTION OF JOB, JOB DONE THRU, CUSTOMER REPRESENTATIVE, HALLIBURTON OPERATOR.

CEMENT DATA

Table with columns: STAGE, NUMBER OF SACKS, CEMENT, BRAND, BULK SACKED, ADDITIVES, YIELD CU.FT./SK., MIXED LBS./GAL.

PRESSURES IN PSI, SUMMARY, VOLUMES, CIRCULATING, BREAKDOWN, AVERAGE, SHUT-IN, HYDRAULIC HORSEPOWER, ORDERED, TREATING, FEET.

REMARKS: See Job Log & Chart, through alluvial sand, logs



HALLIBURTON ENERGY SERVICES
HAL-1906-P

CHARGE TO: Scott Lutz
ADDRESS: P.O. Box 0
CITY, STATE, ZIP CODE: Shell Knob MO. 65747

CUSTOMER COPY

TICKET

No.

104064 - 4

PAGE 1 OF 2

SERVICE LOCATIONS 1. <u>Hays Ks 25325</u>	WELL/PROJECT NO. <u>H-10</u>	LEASE <u>Nichapor</u>	COUNTY/PARISH <u>MOSS</u>	STATE <u>Ks</u>	CITY/OFFSHORE LOCATION <u>MOSS CEMP CO. MO</u>	DATE <u>10-28-96</u>	OWNER <u>SAMP</u>
2.	TICKET TYPE <input type="checkbox"/> SERVICE <input type="checkbox"/> SALES	NITROGEN JOB? <input type="checkbox"/> YES <input type="checkbox"/> NO	CONTRACTOR <u>Discovery Drilling</u>	RIG NAME/NO. <u>Discovery</u>	SHIPPED VIA <u>Et.</u>	DELIVERED TO <u>Location</u>	ORDER NO. <u>13 P 1:53</u>
3.	WELL TYPE <u>01</u>	WELL CATEGORY <u>01</u>	JOB PURPOSE <u>035</u>	WELL PERMIT NO.	WELL LOCATION <u>24-16-26</u>	<u>N.E. Missouri</u>	
4.	REFERRAL LOCATION	INVOICE INSTRUCTIONS <u>customer received - 10/28/96</u>					

PRICE REFERENCE	SECONDARY REFERENCE / PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.	U/M	QTY.	U/M	UNIT PRICE	AMOUNT
		ROC	ACCT	DF							
000-117		1			MILEAGE 51374 RCM	100	m.	1	UNIT	2.99	299.00
001-016		1			Pump Service	4548	FT			122.00	1820.00
007-161		1			add stage	1960	FT			1550.00	1550.00
018-315		1			mud flush	500	gal			65	325.00
018-313		1			Cl fix II	2	gal			28.00	56.00
40	806-60022	1			cost - s-4 "H"	5	PK			60.00	300.00
71	812-56325	1			ES cement "H"	1	PK	5/2	IN	2450.00	2450.00
80	825-134	1			PK shoe "H"	1	PK	5/2	IN	8701.00	8701.00
82	855-22549	1			Fill up unit "H"	1	PK	1/4	IN	173.00	173.00
320	806-71730	1			Basket "H"	1	PK	5/2	IN	104.00	104.00
75	813-16510	1			Plug set "H"	1	PK	5/2	IN	460.00	460.00

LEGAL TERMS: Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to, **PAYMENT, RELEASE, INDEMNITY, and LIMITED WARRANTY** provisions.

MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS

X Scott Lutz
DATE SIGNED: 10-28-96 TIME SIGNED: 0000
 A.M. P.M.
 do do not require IPC (Instrument Protection). Not offered

SUB SURFACE SAFETY VALVE WAS:
 PULLED & RETURN PULLED RUN

TYPE LOCK _____ DEPTH _____

BEAN SIZE _____ SPACERS _____

TYPE OF EQUALIZING SUB. _____ CASING PRESSURE _____

TUBING SIZE _____ TUBING PRESSURE _____ WELL DEPTH _____

TREE CONNECTION _____ TYPE VALVE _____

SURVEY AGREE UN-DECIDED DIS-AGREE

OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?

WE UNDERSTOOD AND MET YOUR NEEDS?

OUR SERVICE WAS PERFORMED WITHOUT DELAY?

WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?

ARE YOU SATISFIED WITH OUR SERVICE? YES NO

CUSTOMER DID NOT WISH TO RESPOND

PAGE TOTAL	
FROM CONTINUATION PAGE(S)	<u>6750 14</u>
SUB-TOTAL	
APPLICABLE TAXES WILL BE ADDED ON INVOICE	

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES The customer hereby acknowledges receipt of the materials and services listed on this ticket.

CUSTOMER OR CUSTOMER'S AGENT (PLEASE PRINT): Scott Lutz CUSTOMER OR CUSTOMER'S AGENT (SIGNATURE): [Signature] HALLIBURTON OPERATOR/ENGINEER: Allen F. Wenzel EMP #: 10-28-96 HALLIBURTON APPROVAL: _____

JOB LOG HAL-2013-C

CUSTOMER Scott Lutz	WELL NO. # 9	LEASE Nicholson	JOB TYPE 5 1/2" - 2 stage	TICKET NO. 104064
------------------------	-----------------	--------------------	------------------------------	----------------------

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
1								Called out
	1100							on location w/ 5 1/2 FE.
	1120							TRKs on loc.
								135 sks std 5% cal seal 18% salt
								1/2 % CFR-3 - bottom stage
								235 sks MID CON II 2% CC 1/4"
								Discuss safety set up of flow job
								Rig laying around Drill Pipe
	0100							out of hole w/ OP.
								Rig up to Run 5 1/2" 14" casy.
	0130							start casy. RR size 2025 14.57
								Latch Barrel 1st collar.
								Cent. 1-3-5-67-81
								OV on 63rd collar - 1960'
								Barrel 63rd st.
	0405							Pipe on Bottom
	0410						1050'	air ball through @ 1000' PST
								Drop Ball + set PKR show
	0420						1200'	w/ Drilling Rig @ 1200' CST
	0438		12				500'	st 12 BBLs mid flush
								Free mid flush - pump 20 BBLs
								Fresh water pump
	0447						300'	st mix 125 sks std.
		6	33				0'	FIN mix - washout Pump Line
								Release latchdown Plug
	0500							st Drop casy casy 1100'
							200'	Pump 60 BBLs water + 50 BBLs
								PST clamber to 1000' PST
	0526						1000'	Plug down
	0530							Drop Out to open DV.
	0547							DV open - Pump OFF mid + pump
							200'	20 BBLs water + 10 water
							300'	mix 125 sks mid con II ✓
	0618	6	135					FIN mix - Release Plug
		6						st Drop casy 48 BBLs
	0630		48				1700'	Plug down - Release Dry. ✓
	0730							Enter into Pipe Job complete

ORIGINAL



TICKET CONTINUATION CUSTOMER COPY

TICKET No.

HALLIBURTON ENERGY SERVICES

CUSTOMER
Scott Lutz

WELL

DATE
10-27-96

PAGE OF

FORM 1911 R-10

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
504-280		1			MidCdn II	235				12 76	2,998 60
504-308		1			Standard cement	135				10 05	1,356 75
509-406		1			Calcium Chloride	4				40 75	163 00
508-127		1			Cal Seal	6				25 90	155 40
509-963		1			Salt	1050	lb			15	157 50
507-152		1			CFR-3	63	lb			4 85	305 55
507-210		1			Flocule	59	lb			1 65	97 35
500-207		1			SERVICE CHARGE					1 35	548 10
500-306		1			MILEAGE CHARGE					1 05	967 89
					TOTAL WEIGHT						
					36,872						
					LOADED MILES						
					50						
					TON MILES						
					921.800						

ORIGINAL

No. B 339051

CONTINUATION TOTAL 6,750.14

CUSTOMER: Scott Lutz WELL NO.: 10 LEASE: Nichols, Juv JOB TYPE: Surface TICKET NO.: 103760

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1230							called out to to surface
	1500							W/140 SKS 40/60 P02 270901 30% CC
	1630							on loc R.9 Dril @ 120'
	1700							Hold made @ 233'
	1730							pull DP
	1755							ST. casing
	1700							ORIGINAL
	1914		34					CS-7 20-20 231' 240' 250' 4' can drill Riq. pump
	1919							Head up 45% cost 140 SKS
	1920		14					cm? mixed, Rel. plug 4st. displ.
	2110							plug pumped in 312' (can 20 SKS 70PT)
								Shut in & wash up 41K
								Rock up & finish paper work
								Job complete
								<i>Huber</i>



HALLIBURTON ENERGY SERVICES

HAL-1906-P

CHARGE TO:

Scott Lutz

ADDRESS

CITY, STATE, ZIP CODE

CUSTOMER COPY

No.

TICKET

103760 - 8

PAGE 1 OF 2

SERVICE LOCATIONS 1. Hays, KS 25525	WELL/PROJECT NO. 10	LEASE Nicholson	COUNTY/PARISH Ness	STATE KS	CITY/OFFSHORE LOCATION	DATE 10-21-96	OWNER Sarge
2.	TICKET TYPE <input checked="" type="checkbox"/> SERVICE	NITROGEN JOB? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	CONTRACTOR Discovery Drilling	RIG NAME/NO. #1	SHIPPED VIA COTK	DELIVERED TO LACF. UTICA	ORDER NO.
3.	WELL TYPE 01	WELL CATEGORY 01	JOB PURPOSE 010	DATE 10-21-96 10:54	WELL PERMIT NO. 15-135-23954/0000	WELL LOCATION 24-165-260	
4.	REFERRAL LOCATION	INVOICE INSTRUCTIONS					

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
001-117		1			MILEAGE # 53292	100		mi	RA	2.99	299.00
001-016		1			Pump chg	230		ft		6.0500	605.00
030-016		1			LA-11 TOP plug	1		cu	80	120.00	120.00
ORIGINAL											

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	TYPE LOCK DEPTH	OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?	
	BEAN SIZE SPACERS	WE UNDERSTOOD AND MET YOUR NEEDS?	
	TYPE OF EQUALIZING SUB. CASING PRESSURE	OUR SERVICE WAS PERFORMED WITHOUT DELAY?	
TUBING SIZE TUBING PRESSURE WELL DEPTH	WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?	ARE YOU SATISFIED WITH OUR SERVICE? <input type="checkbox"/> YES <input type="checkbox"/> NO	
TREE CONNECTION TYPE VALVE	<input checked="" type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND		

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES The customer hereby acknowledges receipt of the materials and services listed on this ticket.

CUSTOMER OR CUSTOMER'S AGENT (PLEASE PRINT) X Thomas AL	CUSTOMER OR CUSTOMER'S AGENT (SIGNATURE) Thomas AL	HALLIBURTON OPERATOR/ENGINEER Ken Richman 59734	HALLIBURTON APPROVAL
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