CORRECTED ACO-1 *change producing formation from Mississippian to Johnson (Cherokee) Myrick Station (Marmatc

FORM MUST BE TYPED COPY SIDE ONE

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

API NO. 15- 063-214910000

County GOVE

60' North of ___ - ___ - N/2 - NE Sec. 30 Twp. 14 Rge. 30 X E W

600 Feet from S/N (circle one) Line of Section

1320 Feet from E/W (circle one) Line of Section

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

Operator: License # 6039

Name: L. D. DRILLING, INC.

Address R. R. 1 BOX 183 B

City/State/Zip Great Bend, Kansas 67530

Purchaser: N.C.R.A.

Operator Contact Person: L. D. Davis

Phone (316) 793-3051

Contractor: Name: L. D. DRILLING, INC.

License: 6039

Wellsite Geologist: Kim Shoemaker

Designate Type of Completion
X New Well ___ Re-Entry ___ Workover

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

If Workover:

Operator: ___

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. ___

2-19-96 Spud Date | 2-29-96 Date Reached TD | 3-9-96 Completion Date

Lease Name NORTH GLENN Well # 1-30

Field Name wildcat

Producing Formation Johnson (Cherokee) ~~Myrick Station (Marmaton)~~

Elevation: Ground 2758' KB 2763'

Total Depth 4450' ? 4500 (RTD) PBTD ___

Amount of Surface Pipe Set and Cemented at 281 Feet

Multiple Stage Cementing Collar Used? X Yes ___ No

If yes, show depth set 2222 Feet

If Alternate II completion, cement circulated from 2222

feet depth to surface w/ 350 sx cmt.

Drilling Fluid Management Plan alt I 6-11-96 KR
(Data must be collected from the Reserve Pit)

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. ___ S Rng. ___ E/W

County ___ Docket No. ___

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, 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 L. D. Davis L. D. Davis

Title President Date 5-3-96

Subscribed and sworn to before me this 3rd day of May, 19 96.

Notary Public Bessie M. DeWerff Bessie M. DeWerff

Date Commission Expires 5-20-97

K.C.C. OFFICE USE ONLY
F ✓ Letter of Confidentiality Attached
C ✓ Wireline Log Received
C ✓ Geologist Report Received

Distribution
✓ KCC ___ SWD/Rep ___ NGPA
✓ KGS ___ Plug ___ Other (Specify)

FS

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KANSAS CORPORATION COMMISSION

Form ACO-1 (7-91)

NOTARY PUBLIC - State of Kansas
BESSIE M. DeWERFF
My Appt. Exp. 5-20-97

MAY 06 1996

CONSERVATION DIVISION
WICHITA, KS

SIDE TWO

Operator Name L. D. Drilling, INc. Lease Name North Glenn Well # 1-30

Sec. 30 Twp. 14 Rge. 30 ☐ East ☒ West County Gove

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.)	☒ Yes	☐ No
Samples Sent to Geological Survey	☒ Yes	☐ No
Cores Taken	☐ Yes	☒ No
Electric Log Run (Submit Copy.)	☒ Yes	☐ No

List All E.Logs Run:
DST - See attached copy

☐ Log Formation (Top), Depth and Datums ☐ Sample

Name Top Datum

See attached copy

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 ¼"	8 5/8"	20#	281'	60/40 Poz	175	2% Gel, 3% cc
production	7 7/8"	4½"	10.5	4499'	EA-25# gil.	150	last 50 sx. 3/4 of 1% Halad 32
			Stage 2 - 350 sx. Mid-con 3/8# floseal, 2% CC				

ADDITIONAL CEMENTING/SQUEEZE RECORD

Purpose:	Depth Top	Depth Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
___ Perforate					
___ Protect Casing					
___ Plug Back TD					
___ Plug Off Zone					

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
2 spf	4417-4427	1000 gal 28% N.E.	4417-4427
2 spf	4332-4336	2000 gal 28% N.E.	4332-4336

TUBING RECORD Size 2 3/8" Set At 5' off bottom Packer At Liner Run ☐ Yes ☒ No

Date of First, Resumed Production, SWD or Injection: 3-10-96 Producing Method ☐ Flowing ☒ Pumping ☐ Gas Lift ☐ Other (Explain)

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	100		25		34°

Disposition of Gas: METHOD OF COMPLETION Production Interval

☐ Vented ☐ Sold ☐ Used on Lease (If vented, submit ACO-18.)

☐ Open Hole ☒ Perf. ☐ Dually Comp. ☒ Commingled 4417-4336

☐ Other (Specify) _____

NOTARY PUBLIC - State of Kansas
BESSIE M. DeWERFF
My Appt. Exp. _____

Attachment to ACO-1 North Glenn #1-30 60' North of N/2 NE/4 Sec. 30-14-20 Cove Co.

DAILY DRILLING REPORT

OPERATOR: L. D. DRILLING, INC.

GEOLOGIST: Kim Shoemaker
CONTRACTOR: L. D. DRILLING
SPUD: 2-19-96 10:30 A.M.

COPY

LEASE: NORTH GLENN #1-30
620' FNL 1250' FEL
SEC. 30-14S-30W
COVE COUNTY, KANSAS

SURFACE PIPE: Ran 7 Jts. used 8 5/8" 281'
Set @ 288' W/175 sx. 60/40 Poz. 2% Gel,3%CC
Plug Down 4:45 P.M. Did Circ. Allied

ELEVATION: 2758 GR 2763 KB
PTD: 4450'

TIGHT HOLE

2-17 Dig pits - move rig in & rig up
2-18 Day off
2-19 Spud & run surface csg.
2-20 855' Drilling ahead
2-21 2475' Drilling
2-22 3150' Drilling
2-23 3630' Drilling-Geologist on way to rig.
2-24 3967' - DST #1
2-25 4030' - DST #3
2-26 4120' - DST #5 in progress
2-27 4324' Drilling
2-28 4440' DST #7 in progress
2-29 4500' RTD - Finished logging and preparing to run 4 1/2" production casing.

Ran 120 Jts. 4½-10.5# Drifted & tested csg.
Set @ 4499' W/150 sx. EA-2 5# gil. last 50 sx. .75 of 1% Halad 322. DV Tool @ 2222'
Stage 2 -350 sx. Mid-Con 3/8# floseal, 2% cc
Circulated to top. PD 6:00 P.M. 2-29-96

SAMPLE TOPS:

Anhy.	(top)	2223 (+540
	(base)	2246 (+517)
Heebner		3810 (-1047)
Lansing		3847 (-1084)
Muncie Creek		4005 (-1242)
Stark		4094 (-1331)
Base K/C		4175 (-1412)
Marm.		4198 (-1435)
Ft. Scott		4346 (-1583)
Cherokee		4372 (-1609)
Miss.		4452 (-1689)

LOG TOPS:

Anhy.	(top)	2221 (+542)
	(base)	2245 (+518)
Heebner		3810 (-1047)
[illegible]ing		3850 (-1087)
[illegible]ie Creek		4009 (-1246)
[illegible]k		4097 (-1334)
Base K/C		4180 (-1417)
Marm.		4204 (-1439)
Ft. Scott		4352 (-1589)
Cherokee		4377 (-1614)
Miss.		4458 (-1695)
Log T.D.		4507 (-1744)

DST #1 3925-3967 Lansing F Zone
Times: 30-30-30-30
Blow: 1st open - weak blow through out
2nd open - weak blow died in 20 min.
Recovery: 2' free oil, 45' WCM 70% water
IFP: 44-46 FFP: 55-58
ISIP: 1057 FSIP: 1008

DST #2 3868-3892 Lansing B Zone (straddle tst)
Times: 30-30-30-30
Blow: weak blow through out
Weak blow died 10 min.
Recovery: 30' HOCM 30% oil
IFP: 12-14 FFP: 20-20
ISIP: 900 FSIP: 708

DST #3 3996-4030 H Zone
Times: 30-30
Blow: 1st open: blow died in 15 min.
Recovery: 10' Mud
IFP: 32-34
ISIP: 1030

DST #4 4060-4084 Lansing I & J Zones
Times: 30-45-45-60
Blow: 1st open- BB in 20 min.
2nd open- blt to 10"
RECOVERY: 70' gas in pipe, 230' OCWM
5% gas, 5% oil, 20% water
120' VSOCWM, 2% oil, 73% water
120' Muddy water W/scum of oil

DST #5 4090-4120 K Zone
Times: 30-30-30-30
Blow: 1st open: 1/2"
2nd open: 1/2"
Recovery: 5' gip, 60' gcm W/few oil specks
IFP: 33-36 FFP: 46-46
ISIP: 1080 FSIP: 1063

DST #6 4310-4360 Myrick Station - Ft. Scott
Times: 30-45-45-60
Blow: 1st open: bb in 10 Min.
2nd open: bb in 12 Min.
Recovery: 1630' GIP, 50' CGO, 180' SMCO
IFP: 44-67 FFP: 84-102
ISIP: 1112 FSIP: 1079

DST #7 4370-4440 Cherokee & Johnson Zones
Times: 30-45-45-60
Blow: 1st open: bb in 15 min.
2nd open: bb in 25 min.
Recovery: 90' gip, 210' gmo 10%gas, 45% Mud
45% oil
60' SG&WC Mud 5% gas, 8% water, 35% Mc
120' gw W/skum oil
IFP: 78-93 FFP:140-80
ISIP: 1107 FSIP: 1094

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MAY 06 1996
CONSERVATION DIVISION
WICHITA, KS