

COPY

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

Op License # 5050Name: Hummon CorporationAddress 950 N. TylerCity/State/Zip Wichita, Ks 67212-3240

Purchaser: _____

Operator Contact Person: Kent RobertsPhone (316) 773-2300Contractor: Name: Duke Drilling, Inc.License: 5929Wellsite Geologist: Arden Ratzlaf

Designate Type of Completion

☐ New Well ☐ Re-Entry ☒ Workover

☒ Oil ☐ SMD ☐ SIOW ☐ Temp. Abd.
☒ Gas ☐ ENHR ☐ SIGW
☐ Dry ☐ Other (Core, WSW, Expl., Cathodic, etc)

If Workover/Reentry: Old Well Info as follows:

Operator: Hummon CorporationWell Name: Acres #1Comp. Date 6-27-97 Old Total Depth 5980

☒ Deepening ☒ Re-perf. ☐ Conv. to Inj/SMD
☒ Plug Back 5580 ☐ PBDT
☐ Commingled ☐ Docket No. _____
☐ Dual Completion ☐ Docket No. _____
☐ Other (SMD or Inj?) ☐ Docket No. _____

8-4-97 8-9-99
 Date of start of workover Date Reached TD Completion Date

API NO. 15- 033-20933-000County ComancheC - SW - NW - Sec. 26 Twp. 32s Rge. 18 XX ^E _W2130 Feet from S/N (circle one) Line of Section660 Feet from E/W (circle one) Line of SectionFootages Calculated from Nearest Outside Section Corner:
NE, (SE), NW or SW (circle one)Lease Name Acres Well # 1Field Name NescatungaProducing Formation ~~Marmaton~~ Pawnee + CherokeeElevation: Ground 2060' KB 2071'Total Depth 5980' PBDT 5800'Amount of Surface Pipe Set and Cemented at 652' FeetMultiple Stage Cementing Collar Used? ☐ Yes ☒ No

If yes, show depth set _____ Feet

If Alternate II completion, cement circulated from _____

feet depth to _____ w/ _____ sx cmt.

Drilling Fluid Management Plan Re-work, 10-5-99 UC
(Data must be collected from the Reserve Pit)Chloride content _____ ppm Fluid volume 320 bbls

Dewatering method used _____

Location of fluid disposal if hauled offsite: _____

Operator Name Peter H. BerenLease Name V.H. Koehn #12 License No. 3051SW Quarter Sec. 28 Twp. 29 S Rng. 18 (E/W)County Kiowa Docket No. 5617

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 Kent RobertsTitle Lease Operations Manager Date 9/22/99Subscribed and sworn to before me this 22nd day of Sept., 19 99.Notary Public Joyce CochranDa Commission Expires 4-10-2003

K.C.C. OFFICE USE ONLY

F ☐ Letter of Confidentiality Attached
 C ☐ Wireline Log Received
 C ☐ Geologist Report Received

Distribution

☒ KCC ☐ SMD/Rep ☐ NGPA
☐ KGS ☐ Plug ☒ Other
 (Specify) TOG



JOYCE COCHRAN

My Appt. Exp. 4-10-2003

Form ACO-1 (7-91)

SIDE TWO

Operator Name Hummon CorporationLease Name AcresWell # 1Sec. 26 Twp. 32s Rge. 18☐ EastCounty Comanche☒ 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.)

List All E.Logs Run:

CNL-CDL, DIL, MOCRO, SONIC

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

Name	Top	Datum
Heebner	4262	-2191
Brown Lime	4438	-2367
Lansing	4462	-2391
Cherokee	5064	-2993
Mississippi	5111	-3040
Kinderhook	5510	-3439
Viola	5602	-3531
Simpson	5760	-3687
Arbuckle	5930	-3859
TD	5984	-3913

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"	24#	652'	Lite Class A	200 100	3%cc, 2%gel
Production	7 7/8"	5 1/2"	15.5#	5755'	60/40ASC	100 150	2%gel 10%sal 5%KAL-Seal

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 Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
4	5618-21 CIBP @ 5580	none	
2	5030-5040 & 5080-5083	6500 Gal 20%	

TUBING RECORD	Size 2 3/8	Set At 5544	Packer At 5544	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or Inj. 8/9/99	Producing Method <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
		200	0	

Disposition of Gas:

METHOD OF COMPLETION

Production Interval

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

☐ Open Hole ☒ Perf. ☐ Dually Comp. ☐ Commingled

☐ Other (Specify) _____

ACRES #1
SW NW 26 -32S-18W
COMANCHE CO., KS

RECEIVED
KANSAS CORP COMM

1999 OCT -5 12:16

8/4/99 RU Clarke Well Service. TOH and lay down in singles, 154 - 3/4" rods, 54 - 7/8" rods, 2 - 4' rod subs. TOH w/ 178 jts 2 3/8" tubing, 1 - 4' pup jt. Sub had dime size hole 1' from top of sub. RU Log-Tech, set 10K CIBP @ 5580'. TIH w/ Model R packer on tubing. SDON.

8/5/99 TIH w/ remainder of tubing to 5096'. RU Acid Services, circ hole w/ 120 bbl treated water. Pull packer to 4982'. RU Log-Tech, Perforate **Pawnee 5030' - 5040'** w/ 2 SPF 1 11/16" Innovator. Lower packer to 5040', spot acid on perfs, pull and set packer at 4982'. Treat w/ 1000 gal 20% MCA and 30 ball sealers. Stage acid to 2450 psi, broke and treat at 3 BPM, 1750 psi, balled off perfs, surge perfs and finish treating at 3 BPM, 1700 psi. Total load 50 bbl.

ISIP 1250 psi
5 min 1000 psi
10 min 875 psi

RU swab, made 4 pulls to 2200' and KO well to tank. 1st 2 hrs recovered 28 bbl, next 2 hrs recovered 5 bbl. SI to make wellhead connections. 30 minute SITP 500 psi. Opened well and flow to tank w/ strong blow gas and good mist of fluid. Left well flow to tank overnite. SDON.

8/6/99 Had weak blow gas to tank, no fluid recovered. 17 BLTR. Ran swab, recovered 75' fluid. RU Acid Services to treat w/ 4500 gal 20% gel acid. Pump 1500 gal acid, 4.2 BPM @ 2200 psi, 1000 gal 30# linear gel pad, 4.2 BPM @ 2200 psi, 1500 gal acid, 4.2 to 5.3 BPM @ 2200 psi, 1000 gal linear gel pad, 4.3 BPM @ 2300 psi, 1500 gal acid, 5 BPM @ 2300 psi, flush @ 5 BPM, 2300 psi. Total Load 196 Bbl.

ISIP 1250 psi
5 min 1100 psi
15 min 1000 psi
30 min 900 psi

Open to tank, flow 54 bbl in 2 1/2 hrs, ran swab fluid @ 1400' FS, swab 1 hr and KO to tank, recovered 24 bbl. Flow 18 bbl next hr, FTP 50 psi.

6:00 pm Flow back total of 116 bbl. Left well flow to tank, 30 - 70 psi FTP, 24/64" choke.

9:00 pm FTP 110 psi, 24/64" choke, recovered 11 bbl last 3 hrs. Recovered 130 bbl total. 66 BLTR

8/7/99 8:00 am FTP 110 psi, 24/64" choke, 21 BLR in 11 hrs. 45 BLTR. Put well on line @ 9:00 am. Rate 270 mcf, 220 psi line pressure, 220 FTP.

8/9/99 Sold 238 mcf, FTP 220 psi same as line pressure. Blew down to tank, recovered some condensate and 4% oil. Kill well w/ 20 bbl KCL water. RU Log-Tech, perforate **Cherokee Lime 5080-5083'** w/ 1 11/16" innovator, 3 SPF. Release packer to lower, well KO thru tubing, Kill well again w/ 20 bbl. Ran 3 jts, let packer swing @ 5080', spot acid on perfs, pull and set packer @ 5054'. Treat w/ 1000 gal 20% MCA @ 3 BPM, 350 psi. Increase rate to 4 BPM, 1100 psi. 48 Bbl total load. ISIP on vac.

Pull and set packer @ 4985'. Ran swab, fluid down 800' from surface, KO to tank on 2nd pull, flow to tank for 3 hrs. recovered 60.04 bbl. SI to install choke, 15 minute SITP 350 psi. Flow on 3/4" choke, FTP 35 psi from 4:00 pm to 9:00 pm. Recovered total of 98.32 bbl for the day, last 3 hrs average 3.48 BPH. Put down sales line @ 10:00 pm, rate 340 mcf FTP 250 psi.

Final Report.