

SIDE ONE

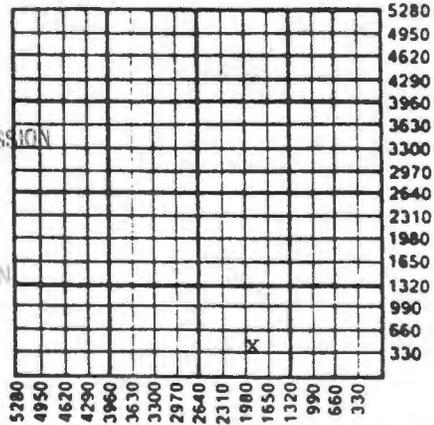
STATE CORPORATION COMMISSION OF KANSAS
OIL & GAS CONSERVATION DIVISION
WELL COMPLETION FORM
ACO-1 WELL HISTORY
DESCRIPTION OF WELL AND LEASE

Operator: License # 3074
Name: Robert S. Harwell
Address 2801 NW Expressway #132
Oklahoma City, OK
73112
Purchaser: Crude Marketing
Operator Contact Person: Robert S. Harwell
Phone (405) 842-4088
Contractor: Name: Central Plains
License: 3550
Wellsite Geologist: none

Designate Type of Completion
 New Well Re-Entry Workover **NOV 8 1991**
 Oil SWD Temp. Abd.
 Gas Inj Delayed Comp.
 Dry Other (Core, Water Supply, etc.)

Drilling Method:
 Mud Rotary Air Rotary Cable
10-11-91 10-17-91 10-17-91
Spud Date Date Reached TD Completion Date

API NO. 15- 091-22, 360
County Johnson
SW SW SE 19 Twp. 14 Rge. 22 East
NW 660 692 FSL West
15401419FSL Ft. North from Southeast Corner of Section
KCC record (NOTE: Locate well in section plat below.)
Lease Name North Gordon Well # 8
Field Name Longanecker
Producing Formation Bartlesville
Elevation: Ground n/a KB n/a
Total Depth 923 PBTD



Amount of Surface Pipe Set and Cemented at 20 Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set _____ Feet
If Alternate II completion, cement circulated from 9/0
feet depth to 0 w/ 105 sx cmt.

INSTRUCTIONS: This form shall be completed in triplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the spud date of any well. Rule 82-3-130, 82-3-107 and 82-3-106 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. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells. Any recompletion, workover or conversion of a well requires filing of ACO-2 within 120 days from commencement date of such work.

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 Robert S. Harwell
Title Operator Date 11-6-91
Subscribed and sworn to before me this 6 day of November,
19 91.
Notary Public Jeress A. Longtreath
Date Commission Expires July 10, 1995

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) FS

COPY SIDE TWO

Operator Name Robert S. Harwell Lease Name North Gordon Well # 8
Sec. 19 Twp. 14 Rge. 22 East West
County Johnson

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.)

Formation Description
 Log Sample
Name Top Bottom
Bottom of Kansas City Lime 411
Bottom of ARDMORE Lime. 779
Bartlesville Sand 867-875
TD 923
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CASING RECORD New Used
Report all strings set-conductor, surface, intermediate, production, etc. CONSERVATION DIVISION
Wichita Kansas
Table with columns: 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.
Table with columns: Shots Per Foot, Specify Footage of Each Interval Perforated, Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used), Depth.
TUBING RECORD Size Set At Packer At Liner Run Yes No
Date of First Production 10-24-91 Producing Method Flowing Pumping Gas Lift Other (Explain)
Estimated Production Per 24 Hours Oil 5 Bbls. Gas Mcf Water 1 Bbls. Gas-Oil Ratio Gravity 23

Disposition of Gas: Vented Sold Used on Lease (If vented, submit ACO-18.)
METHOD OF COMPLETION: Open Hole Perforation Dually Completed Commingled
 Other (Specify) _____
Production Interval 870-875

COPY

Robert Harwell
N. Gordon # 8

DRILLERS LOG

Total	Formations	From	To
4	Shale	629	633
5	Lime	633	638
4	Shale	638	642
3	Lime	642	645
23	Shale	645	668
2	Lime	668	670
3	Shale	670	673
2	Lime	673	675
101	Shale	675	776
3	Lime Ardmore	776	779
87	Shale	779	866
1	Hard Cap	866	867
5	Sand Good sand Good bleed	867	872
3	Sand broken, lesser bleed	872	875
48	Shale	875	923
		TD	923

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CONSERVATION DIVISION
LITTLE ROCK, AR

19-14-22E

COPY DRILLER'S LOG

Date 10/11/91		XXXXXXXX API # 15-091-22,360	
Operator Robert Harwell		Contractor Central Plains Drilling License # 3550	
Address 2801 NW Expressway #132 OKC 73112		Address 910 N. Poplar Ottawa, Ks. 66067	
Case N. Gordon	Well # 8	County Johnson	State Ks Legal 19-14-22E

Depth	Formations	from	to	Total	Formations	from	to
51	Soil & clay	0	51	25	Lime	203	228
4	Lime	51	55	20	Shale	228	248
7	Shale	55	62	10	Lime	248	258
3	Lime	62	65	18	Shale	258	276
7	Shale	65	72	27	Lime	276	303
6	Lime	72	88	36	Shale	303	339
3	Shale	88	96	54	Lime w/shale break	339	393
9	Lime	96	105	4	Shale	393	397
4	Shale	105	111	14	Lime w/porosity break (Hertha)	397	411
9	Lime	111	130	173	Shale	411	584
1	Shale	130	151	13	Lime	584	597
0	Lime	151	171	6	Shale	597	603
	Shale	171	178	8	Lime	603	611
1	Lime	178	189	14	Shale	611	625
4	Shale	189	203	4	Lime	625	629

Total Footage Drilled	923'	Total Footage Cored	no
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Spud Date:	10/11/91	20' of 6 1/2" 6sx Portland
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Cement Used, Size and Type	5 1/2" to 420' 5 18" to TD	(Consolidated supplied cement)
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Time Charged to Operator—Detail—	Run pipe & cement 10/17/91
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Total JTS Drill Pipe on Location		Total in Hole	
Total Drill Collars on Location		Total in Hole	Footage
Drilled—from	0 to 909'	Size	2 7/8"
		Weight	

Oil Accidents or Injuries—Remarks—Detail Repairs
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STATE CORPORATION COMMISSION

NOV 8 1991

	Hrs.	Helper	Hrs.
	Hrs.	Helper	Hrs.