

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 # 05386
Name PRODUCTION DRILLING, INC.
Address P.O. BOX 680
City/State/Zip HAYS, KS 67601

Purchaser CLEAR CREEK

Operator Contact Person LARRY PATTERSON
Phone (913) 625-1189

Contractor: License # 8241
Name EMPHASIS OIL OPERATIONS

Wellsite Geologist PAT BALTHAZOR
Phone

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

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

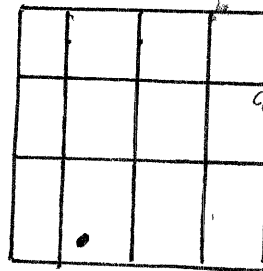
WELL HISTORY

Drilling Method:
 Mud Rotary Air Rotary Cable
8-25-85 9-2-85 10-22-85
Spud Date Date Reached TD Completion Date
3740 3698
Total Depth PBDT

Amount of Surface Pipe Set and Cemented at 200 feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set feet
If alternate 2 completion, cement circulated
from 1650 feet depth to 825 w/ 800 SX cmt
Cement Company Name ALLIED
Invoice # NA

API NO. 15-065-22,216-00-06
County GRAHAM
SE SE SW Sec. 12. Twp. 9S. Rge. 21W. East West
330 Ft North from Southeast Corner of Section
3170 Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)

Lease Name KNIPP Well # 1
Field Name BALTHAZOR MOREL
Producing Formation ARB
Elevation: Ground 2135 KB 2140
Section Plat



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WATER SUPPLY INFORMATION

Disposition of Produced Water: Disposal
Docket # Repressuring

Questions on this portion of the ACO-1 call:
Water Resources Board (913) 296-3717

Source of Water:
Division of Water Resources Permit #
Groundwater Ft North from Southeast Corner (Well) Ft West from Southeast Corner of Sec Twp Rge East West
Surface Water Ft North from Southeast Corner (Stream, pond etc) Ft West from Southeast Corner Sec Twp Rge East West
Other (explain) (purchased from city, R.W.D. #)

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. Rule 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 [Signature]
Title Pres Date 6-3-86

Subscribed and sworn to before me this 26th day of June 1986.
Notary Public Ellen Vap

Date Commission Expires

ELLEN VAP
NOTARY PUBLIC
STATE OF KANSAS
MY APPT. EXPIRES 12-29-86

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)

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SIDE TWO

Operator Name PRODUCTION DRILLING, INC. Lease Name..... KNIPP Well #..... 1.....

Sec..... 12..... Twp..... 9..... Rge..... 21..... East West County..... GRAHAM.....

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

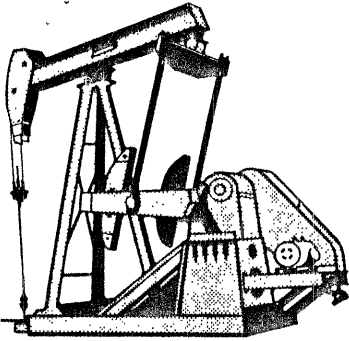
	Name	Top	Bottom
#1 3524-3565	ANHYDRITE	1644	1678
#2 3664-3678	TOPEKA	3128	3337
#3 3665-3687	TORONTO	3358	3368
#1 10' OSM ISIP 50# FSIP NA	LKC	3375	3588
#2 90' 60% 40% MUD ISIP 1056 FSIP 1006	ARBUCKLE	3656	N.R.
#3 160' HOCM ISIP NA FSIP 1046			

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	12 1/4	8 5/8	28#	260'	60/40	175	2% CC 3% gel
PRODUCTION	7 7/8	5 1/2	14#	3740	60/40	200	2% CC 3% gel
PERFORATION RECORD				Acid, Fracture, Shot, Cement Squeeze Record			
Shots Per Foot	Specify Footage of Each Interval Perforated			(Amount and Kind of Material Used)		Depth	
4	3673-3677			250 gallon 15% INS			
2	1650'			300 sks light 75 sks com		1650	
2	1000'			200 sks light 50 sks com		1000	
2	825'			100 sks light 75 sks com		825	
TUBING RECORD				Liner Run <input type="checkbox"/> Yes <input type="checkbox"/> No			
Date of First Production		Producing Method					
10-85		<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	
	10 bbl. oil 350 bbl. water Bbls	MCF	Bbls	CFPB			

METHOD OF COMPLETION

Production Interval

Disposition of gas: Vented Open Hole Perforation
 Sold Other (Specify) 3673-3677.....
 Used on Lease Dually Completed Commingled

PRODUCTION DRILLING, INC.

Larry Patterson
 P.O. Box 680
 Hays, Kansas 67601
 Office Phone: 625-1189

BALTHAZOR OIL

WORKOVER REPORT
 JUNE 3, 1986

- 5-12-86 - Rigged up on #1 Knipp. Pulled rods, tubing stuck in head, lost 2 hrs. freeing tubing. Started out with tubing. Rig time - 8 hr.
- 5-13 - Pulled tubing. Rigged up loggers, set drillable plug @3650. Ran tubing and packer to 1510'. Pressure tested casing tubing and packer to 1500#. Shot 2 holes @ 1650. Established circulation @ 4 bbl. min. @ 600#. Started cement, lost circulation with 200 sks mixed. Never regained. Squeezed @ 1500#. Shut in overnight with 500#. Rig time - 9 hr.
- 5-14 - Released pressure, pulled tubing & packer, drilled out 50' cement. Rig time - 8 hr.
- 5-15 - Drilled 35' cement. Rigged up temperature survey to check top of cement, shows top of cement @ 1572'. Loaded hole to run cement bond log tomorrow morning. Rig time - 10 hr.
- 5-16 - Ran CBL, shows top of light cement @1020'. Brought logs to Hays for State Geologist's inspection for approval. State Geol. Don Butcher out of town, received tentative approval from subordinate geol. Start rig back to drilling pending approval from Don Butcher on Monday. Cleaned out 12' cement. Rig time - 8½ hr.
- 5-19 - Contacted Don Butcher @8:00 a.m. Will require additional squeeze job. Dispatched loggers, packer & cementers to location. Perforated @ 1000'. Pumped 100 sks., no circulation, pumped 50 sks to squeeze. Called State, received instructions to perf. @ 825' and squeeze and State would approve. Did same with no circulation. Rig time - 10 hr.
- 5-20 - Pulled tubing and packer, drilled out, squeeze @825' and 1000'. Rig time - 9½ hr.

-continued-

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KNIPP #1 - continued -

- 5-21 -- Drilled 23' cement on bottom, Squeeze @ 1650. Rig time - 9 hr.
- 5-22 -- Drilled 20' hard cement on bottom stage, drilling @ 1695' at end of day, should have drilled out @ 1650', casing apparently leaked below perms. @ 1650'. Rig time - 9½ hr.
- 5-23 -- Drilled out bottom stage @ 1725', casing apparently split @ 1725' when perforating @ 1650' or developed leak during squeeze job on 5-13. Rig time - 9½ hr.
- 5-27 -- Drilled out cast iron plug @ 3650, pushed to bottom, ran tubing, started to run pump, pump froze, took to Northwestern Pump for repairs. Rig time - 8 hr.
- 5-28 -- Ran rods, started well pumping. Rigged down cable tools and moved. Rig time - 6 hr.