

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 # 4655.....
Name BHP Petroleum (Americas) Inc.....
Address 925 Patton Road.....
City/State/Zip Great Bend, KS 67530.....

Purchaser Koch Oil Company.....
Jim W. Sullivan

Operator Contact Person Steve Messick.....
Phone (316) 265-7721 2756.....

Contractor: License # 8241.....
Name Emphasis Oil Operations.....

Wellsite Geologist Bob Beard.....
Phone 316-792-8141.....

Designate Type of Completion

☒ New Well ☐ Re-Entry ☐ Workover

☒ Oil ☐ SWD ☐ Temp Abd
☐ Gas ☐ Inj ☐ Delayed Comp.
☐ Dry ☐ Other (Core, Water Supply etc.)

If OMWO: old well info as follows:

Operator
Well Name
Comp. Date Old Total Depth.....

WELL HISTORY

Drilling Method:

☒ Mud Rotary ☐ Air Rotary ☐ Cable

10/2/85..... 10/9/85..... 10-31-85.....
Spud Date Date Reached TD Completion Date

3650 RTD..... 3613'.....
Total Depth PBTD

Amount of Surface Pipe Set and Cemented at 597 feet
Multiple Stage Cementing Collar Used? ☐ Yes ☒ No
If yes, show depth set.....feet
If alternate 2 completion, cement circulated
from.....feet depth to.....w/.....SX cmt
Cement Company Name
Invoice #

API NO. 15-185-22,275.....
County Stafford.....
100' E
NW... NW... NW... Sec. 1... Twp. 22... Rge. 12... ☒ East
☒ West

4950..... Ft North from Southeast Corner of Section
4850..... Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)

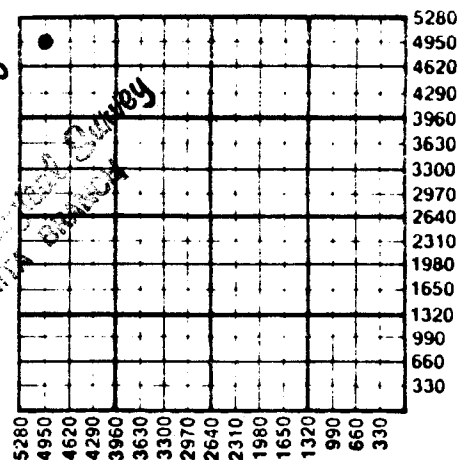
Lease Name M. Helmers..... Well # 7.....

Field Name Max.....

Producing Formation Arbuckle.....

Elevation: Ground 1813..... KB 1818.....

Section Plat



WATER SUPPLY INFORMATION

Disposition of Produced Water: ☒ Disposal
Docket # D-21,986..... ☐ 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

Purchased from City of Ellinwood
☒ Other (explain) Production Water.....
(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.

Requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been complied with and the statements herein are complete and correct to the best of my knowledge.

SIDE TWO

Operator Name BHP Petroleum (Americas) Inc. Lease Name M. Helmers Well # 7

Sec. 1 Twp. 22 Rge. 12 ☐ East ☒ West County Stafford

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

DST #1 3292-3322 30-60-60-120
 Rec. 15' drilling mud, weak blow
 IF 61-61 ISI 74 IH 1890
 FF 59-59 FSI 64 FH 1841
 BHT 113°F.

DST #2 3508-3535 30-60-60-120
 Blow: 2" initial decreasing to 1/4"
 by final.
 Rec. 150' GIP, 30' GCM
 IF 32-32 ISI 40 IH 1940
 FF 40-43 FSI 60 FH 1909
 BHT 115°F.

Name	Top	Sub-sea Bottom
Anhydrite	579	1243
Topeka	2793	-975
Heebner	3086	-1268
Toronto	3103	-1285
Douglas	3120	-1302
Brown Lime	3213	-1395
Lansing	3241	-1423
B/Kansas City	3460	-1642
Viola	3500	-1682
Arbuckle	3570	-1752
L.T.D.	3652	-1834

	Oil	Gas	Water	Gas-Oil Ratio	Gravity
Estimated Production Per 24 Hours	25 Bbls	-0- MCF	1.5 Bbls	CFPB	39.0

METHOD OF COMPLETION

Production Interval

Disposition of gas: ☐ Vented ☐ Open Hole ☒ Perforation
☐ Sold ☐ Other (Specify)
☒ Used on Lease

3574-3582.....

	Drilled	Set (in O.D.)	Lbs/Ft.	Depth	Cement	Used	Additives
Surface	12-1/4	8-5/8	20	597	50/50POZ	275	2%gel, 3%cc
Production	7-7/8	5-1/2	14	3637	50/50POZ	175	2%gel, 10%salt

PERFORATION RECORD				Acid, Fracture, Shot, Cement Squeeze Record			
Shots Per Foot	Specify Footage of Each Interval Perforated			(Amount and Kind of Material Used)			Depth
2	3574-3579			1000 gal 15% NE Acid			3579
2	3580-3582			900 gal 15% NE Acid			3582

TUBING RECORD	Size	Set At	Packer at	Liner Run	☐ Yes ☒ No
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Date of First Production 10-18-85 Producing Method ☐ Flowing ☒ Pumping ☐ Gas Lift ☐ Other (explain).....

EMPHASIS OIL OPERATIONS

P. O. Box 506
Russell, KS 67665

1-22-12W

DRILLERS LOG

OPERATOR: BHP Petroleum (Americas), Inc.
925 Patton Road
Great Bend, KS 67530

CONTRACTOR: Emphasis Oil Operations
Box 506
Russell, KS 67665

LEASE: M. Helmers

WELL #7 ✓

LOCATION: 100' E of NW NW NW
Section 1-22S-12W
Stafford County, Kansas

Total Depth: 3652'

Rotary Total Depth: 3650'

Commenced: 10/02/85

Casing: 8-5/8" @ 597' w/400 sks cement
5-1/2" @ 3637' w/175 sks cement

Elevation: 1818' K.B.

Completed: 10/09/85

Status: Oil Well

DEPTHS & FORMATIONS

(All measurements from K.B.)

Top soil & Sand	40'	Anhydrite	603'
Shale	140'	Shale	3250'
Redbed & Shale	490'	Lime (R.T.D.)	3650'
Shale	582'		

STATE OF KANSAS)
 ss
COUNTY OF RUSSELL)

Kyle B. Branum, of Emphasis Oil Operations, states that the above and foregoing is a true and correct log of the above captioned well, to the best of his knowledge.

[Signature]