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CONFIDENTIAL

2-34S-14W

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Computer Inventoried

ORIGINAL

October 3, 1994

Mr. Tim Voss
OXY USA, Inc.
110 South Main, Suite 800
Wichita, Kansas 67202

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FROM CONFIDENTIAL

RE: OXY USA, Inc.
#1-A Gordon
Approx. NW SW NW
Section 2-34S-14W
Barber County, Kansas
API #15-007-22453

GEOLOGICAL REPORT

Operator:	OXY USA, Inc.
Contractor:	Duke Drilling Company - Rig #5
Commencement:	September 20, 1994
Completion:	October 1, 1994
Conductor Casing:	20" set at 40' with RD Ratholer
Surface Casing:	8-5/8" set at 463' with 315 sxs
Production Casing:	5-1/2" set at 5299' with 440 sxs
Elevations:	1714' GL, 1723' KB
Total Depth:	5300' RTD, 5299' LTD
DSTs:	2 - Western Testing
Well Logs:	ATLAS - Dual Ind. w/GR & SP, COMP Neutron-Litho w/GR & Caliper, Microlog & CIBL
Reference Well:	OXY USA, #1 Sooter, SW SE NE of 2-34S-14W, Barber County, Kansas

All tops and zones of porosity with staining were measured from rotary bushing, 1723' R.B. elevation. A Payne portable gas detector unit was in service from 3350' to RTD. The samples were delivered to the Kansas Geological Survey Library in Wichita, Kansas. Drilling was geologically supervised from 3500' to RTD. There was a noticeable stretch to the electric log when compared to the drilling time log.

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FORMATION TOPS

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<u>Formation</u>	<u>El Log (Datum)</u>	<u>Sample (Datum)</u>	<u>S.C.</u>
Heebner	3980 (-2257)	3969 (-2246)	-1'
Lansing/Kansas City	4159 (-2436)	4163 (-2440)	+2'
Kansas City	4405 (-2682)	4414 (-2691)	+8'
Base/Kansas City	4643 (-2920)	4648 (-2925)	+7'
Mississippi	4731 (-3008)	4728 (-3005)	-4'
Kinderhook	5001 (-3278)	4970 (-3247)	---
Chattanooga	5024 (-3301)	5026 (-3303)	---
Chattanooga Sand Zone	5034 (-3311)	5040 (-3317)	---
Viola	5073 (-3350)	5069 (-3346)	---
Simpson Sand	5242 (-3519)	5243 (-3520)	---
Total Depth	5299 (-3576)	5300 (-3577)	---

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DESCRIPTION OF ZONES OF INTEREST

DST #1: Mississippi - 4795' to 4830', 30-30-30-120, weak blow for 2 minutes, recovered 15' mud, ISIP 68 psi, IFP 113-68, FFP 68-79, FSIP 93 psi, HP 2364-2299.

DST #2: Mississippi - 4840' to 4885', 45-60-60-120, fair to weak blow, 370' GIP, recovered 50' SO & GCM (2% oil & 2% gas), ISIP 204 psi, IFP 90-68, FFP 90-90, FSIP 845 psi (still building), HP 2441-2331.

REMARKS & RECOMMENDATIONS

There were no shows of hydrocarbons detected in the samples above the Mississippian. The upper portion of the Mississippi section that is gas productive in the Oxy #1 Sooter (SW SE NE of Section 2-34S-14W) was not developed. DST #1 covered the oil zone perforated in the #1 Sooter and merits no further testing. DST #2 covered a Basal Mississippi zone structurally 10' lower to the TXO #3 Ellis (SW NE SW of Section 35-33S-14W) which was completed for 43 BO + 32 BW + 500 MCFGPD in August, 1991.

The Chattanooga was encountered with a sandy phase, some dirty sand, some clean sand, which was fine grained, subangular and when broke yielded good gas bubble and pale gold oil film in the wet samples, fluorescence, black to gilsonite stain. This zone merits further testing. The Viola and Simpson formations did not reveal evidence of hydrocarbons on sample examination.

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It is recommended that the Mississippi zone, 4844' to 4876', and the Chattanooga Zone, 5030' to 5059', be perforated and stimulated with acid as necessary to obtain commercial production.

Respectfully submitted,



Douglas H. McGinness
Consulting Petroleum Geologist

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