

# Gulf Oil Corporation

HOBBS PRODUCTION AREA

C. D. Borland  
AREA PRODUCTION MANAGER

August 8, 1966

P. O. Box ~~200~~ 670  
Hobbs, New Mexico

Re: Former British-American  
Operated North Wilson  
Deep Unit No. 3, Lea  
County, New Mexico

Mr. Joe Ramey  
Oil Conservation Commission  
P. O. Box 1980  
Hobbs, New Mexico

Dear Sir:

As was discussed between you and Messrs. Sumner and Turner of this office on August 2, 1966, we are submitting this letter and supporting data to request that Gulf Oil Corporation not be required by the Commission to run a directional survey on the North Wilson Deep Unit No. 3, located 3224' FNL and 660' FEL Section 6-21S-35E, Lea County, New Mexico. Gulf assumed operations on this well effective August 1, 1966 while the well is still being drilled.

It appears that the former operator, The British-American Oil Producing Company, did not secure the Commission's prior approval to setting of the whipstocks used to bypass lost drill collars in drilling this well. As the attached service company copy of the directional surveys show, the first whipstock was directed back toward the vertical to bypass the lost drill collars. As drilling proceeded, they apparently drilled back into the old hole, necessitating another whipstock. The cones locked on the bit with the second whipstock, causing the whipstock to have to be pulled and reset. In all cases, the reason for orienting the whipstock was to bypass the junked equipment. The attached well progress report from British-American's files is the daily record of this work which describes the reasons for, and the setting of the oriented whipstocks.

Inasmuch as we feel that the whipstocks were set solely for the purpose of bypassing lost equipment, we respectfully request that the Commission waive the directional survey now required at total depth if we successfully complete a well. Gulf Oil Corporation will work closely in securing your approval on future change of plans in the final drilling of North Wilson Deep Unit No. 3.

The present operation is drilling at 11,045' and we anticipate reaching total depth of 11,700' in approximately 11 days. If additional information is required, please advise. Your cooperation in settling this matter is appreciated.

Yours very truly,



C. D. BORLAND  
Area Production Manager

LAT:ptg  
Att'd.



# WHIPSTOCK INC.

P. O. BOX 5577

MIDLAND, TEXAS

79701

CABLE ADDRESS: WHIPCO  
PHONE: (915) LO 3-1133

AUG 11 1966

August 3, 1966

Gulf Oil Corporation  
P. O. Box 670  
Hobbs, New Mexico

Attn: Mr. Thomas B. Sumner

Dear Sir:

With reference to your inquiry on the British-American Oil Producing Company, well- North Wilson Deep Unit No. 3, the whipstock setting depth and pictures (corrected for true North) are as follows:

1.	3883-	3/4-	S 55 E	
2.	3939-	1/2-	S 38 E	
3.	3982-	1 1/4-	S 17 E	Taken in old hole

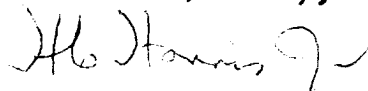
Hole sidetracked with Whipstock set at 3990'

4.	4002-	2 1/4-	N 65 W	
5.	4049-	4 1/2-	N 48 W	
6.	4091-	4	N 49 W	
7.	4122-	4 1/2-	N 46 W	
8.	4154-	4 1/2-	N 44 W	
9.	4185-	4 1/2-	N 42 W	
10.	4216-	4	N 52 W	
11.	4248-	3 3/4-	N 51 W	
12.	4311-	3 1/4-	N 45 W	
13.	4370-	3	N 50 W	
14.	4418-	2 3/4-	N 46 W	
15.	4495-	3 1/2-	N 42 W	
16.	4557-	3 1/4-	N 41 W	
17.	4589-	3 1/2-	N 45 W	

Pictures in side-tracked new hole

If there is any further information we can furnish, we will be glad to do so.

Yours very truly,



H. C. Harris, Jr.

HCHJr:jf

## DAILY WELL PROGRESS REPORT

Page No. 43Well No. 3

FORM 115 SM 2-A

Lease North 1/4 Sec 36  
Unit.

DATE	DEPTH	NATURE OF OPERATION
		<u>Osuda (Morroco) Gas-New Mexico.</u>
6-26-66	4572' KB PBD 4230' KB	Continued From Page No. 4. Released pressure Float Valves held O.K. Dropped opening bomb for DV Tool, waited 15 minutes, pressured casing to 500# and tool opened. Circulated hole through D.V. Tool for a total of 6-3/4 hours. Cemented second stage with 5050 sacks Trinity Lite Wt. Cement with admixture of 10% Salt, slurry weight 10# per gal., followed by 150 sacks Class "C" Cement slurry weight 14.8# per gal. Displaced cement with 228 BW, pressured up to 2000# and closed DV Tool. Released pressure, held O.K. Job complete at 1 PM. Circulated 687 sacks cement to surface. WOC.
6-27-66	4572' PBD 4230'	0', 26 days, 10 bits, drilling cement to top of DV Tool with 8-3/4" bit. WOC, nipped up, tested BOP to 1500# for 30 minutes, held O.K.
6-28-66	4572' PBD 3599'	Drilled out D.V. tool and circulated out cement. Checked D.V. tool with 1500. Drilled cement and shoe 3686 to 3860 and circulated at 4193'. Spotted 250 sxs class C cement with 15 lbs. sand and 1% TIC per sx from 3750-4144. Ran 8-3/4" bit tagged top of cement at 3599'. Now W.O.C.
6-29-66	4572' PBD 3940	W.O.C. 21 1/2 hrs. Drilled cement 3599-3940'. Now picking up Whipstock tools.
6-30-66	OTD 4572' PBD 3958' KB	18', 29 days. Picked up whipstock and ran in hole with 6-1/4" bit to 3958'. Set whipstock at 3933'. Dev. at 3883', 3/4 deg S, 52 deg E. Oriented whipstock N 52 deg W. Drig off whipstock to 3958' with a 6-3/4" bit. Pulled whipstock and went in to open pilot hole to 8-3/4". Drig with fresh water.
7-1-66	OTD 4572' KB PBD 3989' KB	31', 30 days. Opened pilot hole to 8-3/4" to 3955'. Dev 4 deg N, 72deg W at 3955'. Reamed and drld to 3989'. Dev 1-1/4 at 3940' and 3989'. Now circulating at 3989'.
7-2-66	OTD 4572' KB PBD 3991' KB	2', 31 days. Samples indicate we were getting back in old hole. Pulled out of hole and ran whipstock with 6-1/2" bit. Oriented whipstock N 35 deg W and drld to 3991'. Stopped drilling. Pulled out of hole and found cones locked. Reran whipstock with new 6-1/2" bit. Oriented whipstock N 35 deg W. Now drlg. off whipstock. Drig w/fresh water.
7-3-66	OTD 4572' KB PBD 4006' KB	15', 32 days. Drld pilot hole to 4006'. Pulled and laid down whipstock and picked up hole opener. Opened pilot hole to 8-3/4" from 3990 to 4006'. Dev 2-1/4 deg N, 65 deg W at 4002', 1-1/4 deg S, 17 deg E at 3982'. Pulled hole opener and now going in hole with 6-1/2" pilot drill. Drig with fresh water.
7-4-66	OTD 4572' KB NTD 4020' KB	14', 33 days, . drilled with 6 1/2" Pilot drill to 4020'. Pulled out of hole and ran 8-3/4" Reamer and hole opener and reamed from 3990'-4007'. Made trip and now drilling ahead with 8-3/4" bit. Dev. 3-3/4" Deg. N 51 Deg. W at 4020'. Drlg. with fresh water.

## DAILY WELL PROGRESS REPORT

Page No. 6

Well No. 3

North Wilson Deep Unit

Lease

FORM NO. 100-10

DATE	DEPTH	NATURE OF OPERATION
4-1-50	4020 4572' W 4217' W	187', 34 days, 11 bits. Drilled 6-3/4" hole to 4002' and ran survey Rev. 4 1/2 deg. N 46 W at 4046'. Made trip and started drlg. Logging fluid at 4080'. Ran survey, Rev. 4 1/2 deg. N 46 W at 4081'. Took 45 bbls. to fill after survey, now drilling ahead at 4217'. Rev. 4 1/2 deg. N 46 W at 4122', 4 1/2 deg. N 44 W at 4154', 4 1/2 deg. N 42 W at 4185', and 4 1/2 deg. N at 4216'. Drlg. with fresh water, 90 % returns.
4-1-50	4572' W 4510' W	383', 35 days, 11 bits, drilling 6-3/4" hole in Volcanite. Drilling with water. Last circulation at 4535', mixed 30 sacks paper and maintained circulation. Rev. 3-3/4 deg. at 4549', 3 deg. at 4510', 2 1/2 deg. at 4570', 2-2/4 deg. at 4513', 3 1/2 deg. at 4555'. Drilling with 60% returns.
4-1-50	5010' W	170', 36 days, 11 bits, drilling 6-3/4" hole in Volcanite. Drilling with fresh water with 10% returns to 4555', hit cavity and lost circulation, now drilling dry at 5026'. Rev. 3 1/2 deg. at 4957', 2 1/2 deg. at 4909', 2 deg. at 4859'.
4-1-50	5100' W	361', 37 days, 11 bits, drilling 6-3/4" hole in Volcanite. Drilling with water. Drilled dry to 5135' and maintained circulation. Rev. 2 deg. at 5127'.
4-1-50	5100' W	21', 38 days, 11 bits, 6-3/4" hole. All drill pipe out of hole, corrected millers 1.0. from 5140' to 5142' W. Rev. 5102' at 5140'. Circulated for 10 min, mixed up Schlumberger and ran 500 sacks of 55.0-35.0, on log 5140' to surface. Mixed up and ran 7-5/8" 20.0-20.0 Lubricating Line casing bonding to 5000' going in hole. Casing detail as follows: 1-2-3/8" 40.0. Outer Guide Shoe. 1.07' 2-40.0. 7-5/8" 40.0. 20.0-20.0 Lubricating Line Casing. 31.02' 1-4-5/8" 40.0. Outer Guide Shoe. 1.07' by collar. 137'-0". 7-5/8" 40.0. 20.0-20.0 Lubricating Line Casing. 5,120.00' Total 5,183.18'
4-1-50	5100' W	Casing out at 5142' W. Start collar at 5147' W. Circulated hole with 60% returns. Mixed up cement and cemented casing with 100 sacks of 100-100 weight with admixture of 20% Volcanite and 1/2 gal each of 100-100 per sack, slurry weight 12.5 followed by 100 sacks of 100-100, slurry weight 12.5 per gal. Displaced plug to 5147' with 250 sacks. Fresh water, late p. spring pressure 10000, fluid pumping pressure 15000. Plug run at 7:31 AM, had good circulation three 1/2-hr. circulation, operations, rev. 100%.
4-1-50	5120' W	11', 39 days, 12 bits, drilling 6-3/4" hole in Volcanite. Mixed up cement in hole with bit, found top cement at 5170', tested casing to 1000 psi for 30 minutes, held OK. Drilled out float and shoe.
4-1-50	6025' W	600', 40 days, 13 bits, drilling 6-3/4" hole in Lime & Shale. Drilling with water. Rev. 1 1/2 deg. at 5169', 2 deg. at 5509'.

A COPY OF THE DAILY WELL PROGRESS REPORT SHALL BE FILED IN THE WELL LOG FOR EVERY DEPTH DOWN HOLE