

TXO PRODUCTION CORP.
900 WILCO BUILDING
MIDLAND, TEXAS 79701
915/682-7992

Re-entry & Directional Drilling Procedure
for the Humble State "C" #1

1. MI & RU drilling rig.
2. Drill surface plug & 35 sx cement plugs @ 2200'-2300' & 4300'-4400' w/7 7/8" bit & 6 1/4"x30' non-magnetic DC & 6"-6 1/2" steel DCs.
NOTE: could be 3615' of tbg beneath intermediate csg which may need to be fished.
3. TIH to plug @ 6226'. Use bicarb & thinner as needed. Dress-off cmt plug.
4. Run a magnetic multishot directional svy on the bit trip out of hole, to pick up deflection tools, up to the 8 5/8" csg depth of 4496'.
5. After TOH, run a gyroscopic multishot svy on wireline inside csg from 0-4496'. The two svys will be merged to provide a precise bottom hole location @ 6226+ (kick off point).
6. Pickup a 7 7/8" insert rock bit, 5 1/2" downhole mud motor, 1 1/2° bent sub, 6 1/4"x30' non-mag DC and the rest of the steel DCs and DP. Orientation of the deflecting assembly will require the use of a steering tool.
7. Approximately 100' of hole will be drilled with the deflection assembly or until satisfactory trajectory is obtained. TOH for an angle building bottom hole assembly.
8. TIH w/7 7/8" insert bit, 7 7/8" integral blade stabilizer, 6 1/4"x30' non-mag DC, 30' steel DC, 7 7/8" string roller reamer & drill to approximately 10,400' adjusting WOB and rotary speed to achieve a build up rate of 1.5° per 100' of measured depth up to the angle of 8.5°. TOH for a semi-packed hole assembly. Mud up well @ 9100'.
9. TIH w/7 7/8" insert bit, 7 7/8" integral blade stabilizer, 8' steel DC, 7 7/8" integral blade stabilizer, 6 1/4"x30' non-mag DC, 7 7/8" string roller reamer, 30' steel DC & a 7 7/8" string roller reamer. Drill with this assembly to proposed TD, or until a corrective deflection tool run is required, as determined from singleshots svys.
10. At TD (12,200') a multishot svy should be run inside DP to fulfill state requirements.
11. Run & cement 5 1/2" csg according to prognosis.

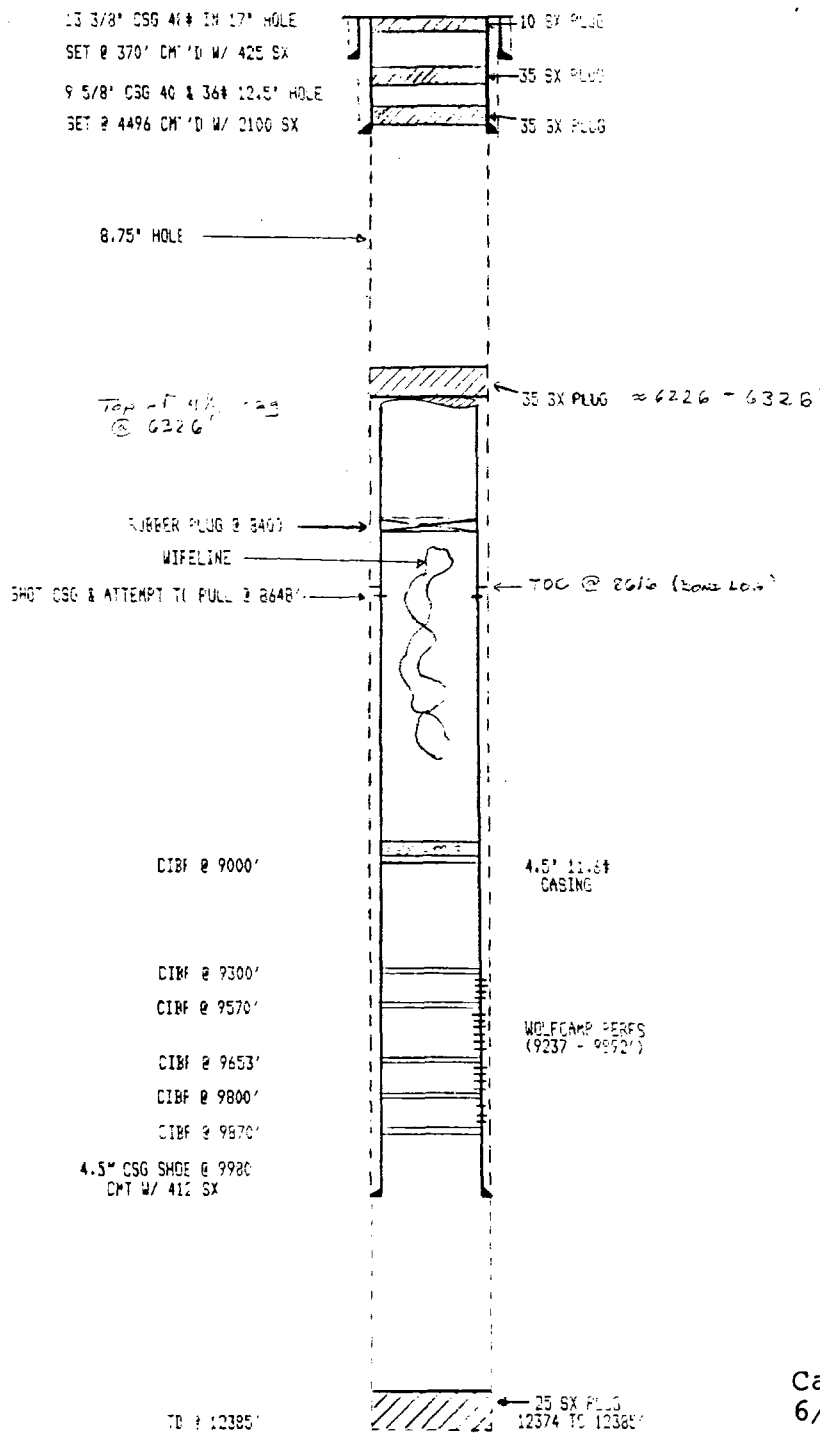
TXO PRODUCTION CORP.
Case Nos. 9382 and 9383
6/08/88 Examiner Hearing
Exhibit No. 9

HISTORY

HUMBLE STATE 'C' #1
NW 1/4 OF SE 1/4 SEC 36 T11S R37E
2310' FSL AND 1650' TEL
DEA COUNTY NEW MEXICO

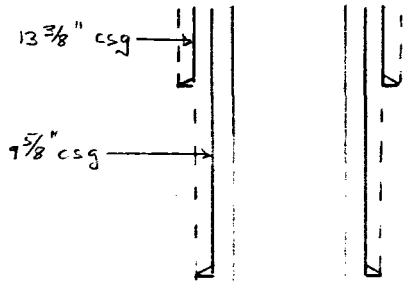
ORIGINAL OPER: RALPH LOWE
SPUD DATE: 8/12/58
ORIGINAL TD: 12,385
PIA: 9/2/58

RE-ENTERED BY: CROWN CENTRAL PETRO. CORP.
RAN 4.5" CSG TO 9980 12/6/72
PERF AND TESTED WOLF CAMP 9237 TO 9892
SKELETON OIL CO. PIA: WELL 1/22/73



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PROPOSED WELLBORE SKETCH
Humble State "C" #1



6226'

6226

4 1/2" csg

Wireline

CTEP @ 9000'

Wolfcamp parts 9237-9292
w/ CTEP

7780'

10374

12225'

55x plug

25 or plug

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4 1/2" csg

TI #12200'

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Direction Drilling Procedure
#1 Heyco "36" State
1650 FNL & 990 FEL
Sec 36, T-11-S, R-37-E

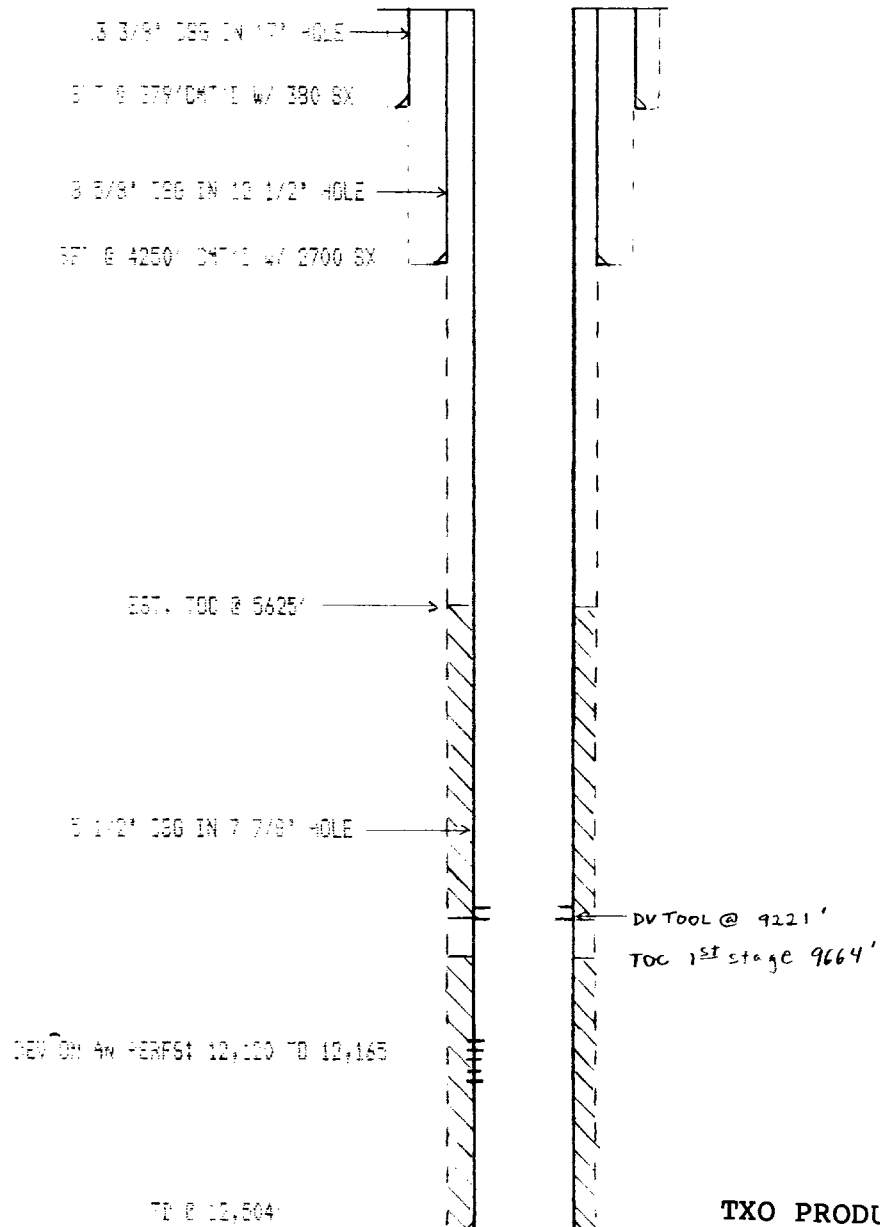
1. MI & RU rotary tools.
2. Freepoint, cut & pull 5 1/2" csg @ approximately 5600' based on calculated TOC @ 5625'. Plug well according to state requirements up to point where casing will be pulled.
3. Set 200 sx cement plug on top of 5 1/2" csg stub @ approximately 5600'.
4. Dress-off top of plug to a hard spot w/a 7 7/8" bit, 1-6 1/4"x30' non-magnetic DC & 6-6 1/2" steel DCs.
5. Run a magnetic multishot directional survey on the bit trip out of hole from plug to 4520'.
6. Run gyroscopic multishot survey on wireline inside csg from 0-4520'.
7. TIH w/5 1/2" high speed motor w/7 7/8" diamond bit on a 1 1/2° bent sub. Orient with steering tool towards proposed bottom hole location.
8. Time drill for 8-10 hours at 1 foot/hour to create bit pattern.
9. Approximately 100' of hole will be drilled with the deflection assembly or until satisfactory trajectory is obtained. TOH for an angle building bottom hole assembly.
10. TIH w/7 7/8" insert bit, 7 7/8" integral blade stabilizer, 6 1/4"x30' non-mag DC, 30' steel DC, 7 7/8" string roller reamer & drill to approximately 10,400' adjusting WOB and rotary speed to achieve a build up rate of 1.5° per 100' of measured depth up to the angle of approximately 6°. TOH for a semi-packed hole assembly.
11. TIH w/7 7/8" insert bit, 7 7/8" integral blade stabilizer, 8' steel DC, 7 7/8" integral blade stabilizer, 6 1/4"x30' non-mag DC, 7 7/8" string roller reamer, 30' steel DC & a 7 7/8" string roller reamer. Drill with this assembly to proposed TD, or until a corrective deflection tool run is required, as determined from singleshots.
12. At TD a multishot svy should be run inside DP to fulfill state requirements.

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Exhibit No. 12

HISTORY

1. HEDCO #381 STATE
BED 36 T11S R37E
1650' FNL & 990' FEL
LEA COUNTY NEW MEXICO

ORIGINAL OPER: HARPER OIL CO.
EPL. DATE: 10/2/83
ORIGINAL TEL: 12,505'



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Exhibit No. 13

PROPOSED WELLBORE SKETCH
#1 Heyco '36' State

13 3/8" csg

8 5/8" csg

TXO

14

9382 & 9383

5600' cm' plug

est TOC @ 5625'

5 1/2" csg

4 1/2" csg

Deviation 12,120' - 165'

12,504

12,200'