

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE *
(See other instructions on reverse side)

FORM APPROVED
OMB NO. 1004-0137
Expires February 28, 1995

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *									
1a. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>					5. LEASE DESIGNATION AND SERIAL NO. SF 077092B				
b. TYPE OF COMPLETION: NEW WORK DEEP- DIFF. RESVR. OTHER WELL <input checked="" type="checkbox"/> OVER <input type="checkbox"/> EN <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>					6. IF INDIAN, ALLOTTEE OR TRIBE NAME				
2. NAME OF OPERATOR CONOCO INC.					7. UNIT AGREEMENT NAME HOUCK				
3. ADDRESS OF OPERATOR 10 Desta Drive, Ste. 100W Midland, Texas 79705-4500 (915) 686-5424					8. FARM OR LEASE NAME, WELL NO. HOUCK #2M				
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements) * At surface 1640' FNL & 1835' FWL, UNIT LETTER 'F' At top prod. Interval reported below At total depth					9. API WELL NO. 30-045-29564				
14. PERMIT NO.					DATE ISSUED		12. COUNTY OR PARISH SAN JUAN COUNTY		13. STATE NM
15. DATE SPUDDED 6/14/98		16. DATE T.D. REACHED 6/21/98		17. DATE COMPL. (Ready to prod.) 7/13/98		18. ELEV. (DF, RKB, RT, GR, ETC) * 5849' GL		19. ELEV. CASINGHEAD	
20. TOTAL DEPTH, MD & TVD 6803'		21. PLUG, BACK T.D. MD. & TVD 6790'		22. IF MULTIPLE COMPLE. HOW MANY?		23. INTERVALS DRILLED BY ROTARY CABLE TOOLS <input checked="" type="checkbox"/> TOOLS <input type="checkbox"/>			
24. PRODUCING INTERVAL(S) OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD) 4225' - 4851' BLANCO MESA VERDE								25. WAS DIRECTIONAL SURVEY MADE	
26. TYPE ELECTRIC AND OTHER LOGS RUN								27. WAS WELL CORED	
28. CASING RECORD (Report all strings set in well)									
CASING SIZE/GRADE		WEIGHT, LB/FT		DEPTH SET (MD)		HOLE SIZE		TOP OF CEMENT, CEMENTING RECORD	
9-5/8"		36#		289'		12-1/4"		190 SXS	
7"		23#		2546'		8-3/4"		325 SXS	
4-1/2"		9.5#		6803'		6-1/4"		596 SXS	
29. LINER RECORD									
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT *		SCREEN (MD)	30. TUBING RECORD			
						SIZE	DEPTH SET (MD)	PACKER SET (MD)	
						2-3/8"	4880' (TEST)	BP @ 6790'	
							6692' (FINAL)		
31. PERFORATION RECORD (Interval, size and number)					32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.				
4225' - 4507' MENELEE					DEPTH INTERVAL (MD)				
4558' - 4851' POINT LOOKOUT					AMOUNT AND KIND OF MATERIAL USED				
33. * PRODUCTION									
DATE FIRST PRODUCTION 7/13/98		PRODUCTION METHOD (Flowing, gas lift, pumping - size, and type of pump) FLOWING					WELL STATUS (Producing or shut-in) PRODUCING		
DATE OF TEST 7/7/98	HOURS TESTED 24 HRS.	CHOKE SIZE 1/2"	PROD'N FOR TEST PERIOD	OIL - BBL 1	GAS - MCF 1320 MCFPD	WATER - BBL 1/2	GAS - OIL RATIO		
FLOW TUBING PRESS 210#	CASING PRESSURE 410#	CALCULATED 24 - HR RATE	OIL - BBL 1	GAS - MCF 1320 MCFPD	WATER - BBL 1/2	OIL GRAVITY - API (CORR)			
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) VENTED						TEST WITNESSED BY BILL GALLEGOS w/FLINT ENGINEERING			
35. LIST OF ATTACHMENTS SUMMARY, WELL LOGS									
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records									
SIGNED <u>Sylvia Johnson</u>					TITLE SYLVIA JOHNSON, As Agent for Conoco Inc. DATE 7/13/98				

*(See Instructions and Spaces for Additional Data on Reverse Side) Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

NMOCD

FARMINGTON DISTRICT OFFICE

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof, cored intervals, and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries)				38.		GEOLOGIC MARKERS	
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH	TOP	TRUE VERT. DEPTH
			HOUCK #2M	Pictured Cliffs Chacra Cliff House (Massive) Menefee Point Lookout Gallup Greenhorn Graneros Dakota Dakota (Massive)	(not logged) 3276' 3976' 4030' 4570' 5790' 6540' 6594' 6658' 6724'		

CONOCO, INC.
HOUCK #2M
 API#: 30-045-29564
 1640' FNL & 1835' FWL, UNIT 'F'
 SEC. 11, T29N-R10W

- 6/23/98 MIRU. NUNOP. PU 3 7/8: rock bit, bit sub. Tally & RIH w/62 Jts 2 3/8" tbg.
- 6/24/98 Cont. to RIH w/tbg to tag cmt w/ 92 Jts @ 6081'. RU power swivel, start drilling. DO to 6549'. Circ clean.
- 6/25/98 Cont. top drill out. DO to 6790'. POOH w/ 214 jts 2 3/8" tbg & drill bit; standing back. Load prod Csg & press. Test to 4200#.
- 6/26/98 MIRU Schlum. WL. Run TDT from 6790'-2500'. Run CBL/GR/CCL from 6790'-2500' w/1000# press on 4 1/2".
- 6/27/98 MIRU BJ Perfs. RIH w/HSC perf gun w/DP charges to shoot 26 ea., 0.32" holes @: 6659-61-64-66-68-79-81-99-6701-11-14-25-27-29-31-33-35-37-41-45-47-49-52-56-58-64. POOH LD guns. MIRU BJ. Broke down w/ 1% KCl @ 3400#. Pumped 500 gal 15% HCl acid. Dropped 40, 1.3 SP ball sealers, thru job. Flushed w/108 bbls KCl. min TP 600#, max. TP 1700#, avg. TP 1300#, Inj rate on treat FL 5 BPM. Rate on flush 9.5 BPM. avg. inj rate 7 BPM. ISDP 300#. 5 min 0#. No ball off. RIH w/WL to retrieve 25 balls. Could only see 4 hits.
- 6/28/98 MI RU BJ test lines, pumped 63544 gal, 15# Low-Gel, X-link w/ 100000# 20/40" white" to Basin DK zone as follows: 10000 gal pad. Noticed activity @ 7". SD. Press. 7" to 500#; hooked to monitor. Started over w/another 10000 gal pad. 7" OK. Started sand. Min rate 42 BPM, Max rat 42 BPM, Avg. rate 42 BPM. Min TP 2700#, Max TP 3300#, Avg. TP 2800#. Sand conc. 1 - 3#/gal. Flush w/113 bbl 1% KCl. ISDP 1400#. 5 MIN 1200, 10 MIN 1000, 15 MIN 870# RU BJ PU 4 1/2 Hali. Composite plug. RIH to set @ 4921'. Plug set; could not POOH. Caught in sand. Pulled off w/WL. ND frac valve & Y. PU overshot, RIH w/tbg to fish setting tool. Could not get on fish. Stacked out tbg 30' above fish. Hooked up to rig pump; circ. hole. Got on fish; POOH. LD setting tools. Press test plug to 2500#. PU perf gun w/Owen DP charges. RIH to perf PLO (MV) w/26 shots, 0.32" ID. @: 4558-74-78-83-93-97-4604-06-14-16-25-29-33-36-38-47-52-87-4717-20-42-58-83-86-4819-51. POOH, to break down/acidize. Attempted breakdown 4200#, could not break. RIH w/WL; dump bailed 28% HCl acid 4638'-4625'. Attempted breakdown again, 4200#. could not break. Dump bailed more 28% acid @ same interval. Got break' pumped 500 gal 15% HCl acid. Dropped 40, 1.3 SP ballsealers, thru job Flushed w/79 bbls KCl. Got good ball action; balled off. Avg. TP 400#. Inj rate 35 BPM. ISIP 0#. RIH w/WL to retrieve 20 balls, counted 20 hits. Pumped frac to PLO as follows: 10000 gal pad, 69594 gal 15# low gel, X-link w/90000# 20/40 AZ. & 79 bbl KCl flush. Min TP 1200#, Max TP 2900#, Avg. TP 1600#. Inj rate on treat fluid 50 BPM. Sand conc. 1 - 2.5#. Rate on flush 50 BPM. ISIP 0#. RIH w/WL to set Hali. 4 1/2" composite BP @ 4538' Tested to 2500#. PU perf gun w/Owen DP charges that will yield 0.32" hole. RIH w/WL to perk Menefee (MV) w/26 shots @ 4225-33-42-47-70-83-86-89-97-4401-06-10-53-99-4503-07. Hook up BJ to breakdown Menefee. Got break @ 3100# ISIP 1050# pumped 500 gal 15% HCl acid. Dropped 40, 1.3 SP balls thru job. Flushed w/68 bbl KCl. Got good ball action, good breaks, balled off. RIH w/WL to retrieve 40 balls; counted 25 hits Released BJ. Pumped frac to Menefee as follows: 10000 gal pad, 82488 gal Slickwater, w/90080# 20/40 AZ. & 68 bbl KCl flush. min TP 2300#, max TP 2900#, avgTP2500#. Inj rate on treat FL= 57 bpm. Rate on flush 57 BPM. ISDP 800#. 5 min 750#, 10 min 700#, 15 min 700#. Released BJ @ 2100 hrs.
- 6/29/98 (Menefee) Hook up & blow down, slow, to pit. ND frac valve & Y. NU Tee spool & 6" blewly line to pit. Set gas comp & build manifold, tbg & csg.
- 6/30/98 Open well to pit. RIH w/100 Jts tbg. Wait on mechanic to repair comp. Started CO. Lost drill gas from El Paso. El Paso found problem. Started CO. Menefee flowing wtr, still bringing sand.
- 7/1/98 Open well to pit. Pump 19 bbls 1% KCl down tbg. Remove string float. RIH w/tbg to tag fill @ 4405'. Hook power swivel & gas comp. Start CO to 1" BP @ 4538'. Let clean up good. DO BP & CO to 4553'.
- 7/2/98 Bled well down. Killed w/10 bbls 1% KCl. RIH w/tbg to tag fill @ 4839'. CO to 4903'. Let clean up; POOH to above top perf, let clean up.

- 7/7/98 Killed well w/10 bbls KCl. RIH to tag fill @ 4880'. POOH to above perms. Cleaned up wellbore. Installed ½" choke to tbg flow. Ran 4 hr test on **MV. Test results as follows: 210# TP against ½' choke = 1320 MCF/D, 1BOPD, & ½ BWPD.**
- 7/8/98 Kill well w/10 bbls wtr. RIH w/tbg to tag fill @ 4508' & CO to plug over DK @ 4921'. DO plug & CO to PBDT @ 6790'. Still making fluid & sand. POOH to above perms.
- 7/9/98 Kill well w/ 20 bbls 1% KCl. POOH w/ tbg LD baker MM. PU muleshoe collar & SN. RIH w/tbg to 4200'. Unload hole w/gas comp. RIH to fill @ 6760'. CO to 6790'. Let well clean up, still making sand & wtr.
- 7/10/98 Bled csg down, RIH w/tbg to tag fill (no fill) start gas comp; to CO wtr to 6690', got well flowing.
- 7/11/98 DK test with ½" choke is as follows: TP 260#, CP 420#, 0 BOPD, 2-½" BWPD & 396 Gas MCFPD. Muleshoe collar, SN & 211 jts 2-3/8", EUE, 4.7", 8RD, J-55 tbg EOT @ 6692' KB, ND BOP, NU WH.
- 7/13/98 RDMO.