

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE*

(See other instructions on reverse side)

Form approved,
Budget Bureau No. 42-R355.5.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL ☒ GAS WELL ☐ DRY ☐ Other _____		5. LEASE DESIGNATION AND SERIAL NO. Fed. NM-052931	
b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other _____		6. IF INDIAN, ALLOTTEE OR TRIBE NAME Navajo Allotted	
2. NAME OF OPERATOR Tesoro Petroleum Corp.		7. UNIT AGREEMENT NAME	
3. ADDRESS OF OPERATOR 2000 1st of Denver Plaza, Denver CO 80202		8. FARM OR LEASE NAME Hanson Federal	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements) At surface 340' FSL X 1655' FEL At top prod. interval reported below Same At total depth Same		9. WELL NO. 38	
14. PERMIT NO.		10. FIELD AND POOL, OR WILDCAT South Hospah Field	
DATE TESTED NOV 12 1981 OIL CON. COM. DIST. 3		11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA Sec. 6-T17N-R8W	
15. DATE STARTED 8/4/81		12. COUNTY OR PARISH McKinley	
16. DATE T.D. REACHED 8/7/81		13. STATE NM	
17. DATE COMPL. (Ready to prod.) 10/15/81		18. ELEVATION OF T.D. (RKB, RT, GR, ETC.) * 6889' GL	
19. ELEV. CASINGHEAD 6889'		20. TOTAL DEPTH, MD & TVD 2705' MD & TVD	
21. PLUG BACK T.D., MD & TVD 2698' MD & TVD		22. IF MULTIPLE COMPL., HOW MANY? Single	
23. INTERVALS DRILLED BY →		24. ROTARY TOOLS X	
25. CABLE TOOLS		26. WAS DIRECTIONAL SURVEY MADE Inclination only	
27. WAS WELL CORED No		28. TYPE ELECTRIC AND OTHER LOGS RUN IES-GR-SP & CNL-FDC-CR-CAL	
29. CASING RECORD (Report all strings set in well)			
CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE
8 5/8"	23#	113'	12 1/4"
5 1/2"	15.5#	2702'	7 7/8"
CEMENTING RECORD		AMOUNT PULLED	
75 sks class "B"		--	
250 sks class "B"		--	
30. LINER RECORD			
SIZE	TOP (MD)	BOTTOM (MD)	SCREEN (MD)
None			
31. TUBING RECORD			
SIZE	DEPTH SET (MD)	PACKER SET (MD)	
2 3/8"	2654	None	
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.			
DEPTH INTERVAL (MD)		AMOUNT AND KIND OF MATERIAL USED	
2672-78' GL		500 gal. mud clean out acid	
2672-86' GL		500 gal. 15% HCl, 160 Bbls.	
		Slickwater pad plus 13,000# sand w/190 Bbls. gel. water	
		fracture stimulation	
33. PRODUCTION			
DATE FIRST PRODUCTION 10/15/81		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Pumping, 2" X 1 1/2" X 12' RWBE rod pump	
DATE OF TEST 10/20/81		WELL STATUS (Producing or shut-in) producing	
HOLES TESTED 24	CHECK SIZE none	PROD'N. FOR TEST PERIOD →	OIL—BBL. 30
GAS—MCF. 105	WATER—BBL. 80	GAS-OIL RATIO 3500 CF/bbl.	
FLOW, TUBING PRESSURE 53 psi	CASING PRESSURE 300	CALCULATED 24-HOUR RATE →	OIL GRAVITY-API (CORR.)
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Used in S. Hospah Field for fuel			
35. TEST WITNESSED BY Dave Collis			
36. LIST OF ATTACHMENTS None			
37. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records			
SIGNED _____		TITLE District Operations Mgr. DATE 11/6/81	

*(See Instructions and Spaces for Additional Data on Reverse Side)

NMOCC

BY

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INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.

Items 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

Item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

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	TRUE VERT. DEPTH
Upper Hospah member of Gallup	1530'	1582' GL	Water, possible oil	Upper Hospah	1530' GL	1530' GL
Lower Hospah member of Gallup	1585'	1696' GL	Water, possible oil	Lower Hospah	1585' GL	1585' GL
Dakota "A"	2419'	2439' GL	Appears very tight, likely no water or hydrocarbons	Dakota "A"	2419' GL	2419' GL
Dakota "B"	2518'	2546' GL	Possible gas & oil	Dakota "B"	2518' GL	2518' GL
Dakota "C"	2574'	2616' GL	Possible gas & oil	Dakota "C"	2574' GL	2574' GL
Dakota "D"	2670'	2690' GL	Oil and gas	Dakota "D"	2670' GL	2670' GL
			No cores cut or DST's run on this well			

RECEIVED
OIL CON. COM.
DIST. 3
NOV 12 1981