Form 9-330
(Rev. 5-63)

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*

5. LEASE DESIGNATION AND SERIAL NO.: NM 052 3215

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: —

7. UNIT AGREEMENT NAME: —

8. FARM OR LEASE NAME: Hat Mesa-A

9. WELL NO.: 1

10. FIELD AND POOL, OR WILDCAT: Hat Mesa Morrow

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA: 2, T-21-S, R-32-E

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☒ DRY ☐ Other

b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other

2. NAME OF OPERATOR: Phillips Petroleum Company

3. ADDRESS OF OPERATOR: Room 711, Phillips Building, Odessa, Texas 79761

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At surface: 660' FS and 1980' FE lines (Unit W)
At top prod. interval reported below
At total depth

14. PERMIT NO. | DATE ISSUED: 3-4-74

12. COUNTY OR PARISH: Lea | 13. STATE: New Mexico

15. DATE SPUDDED	16. DATE T.D. REACHED	17. DATE COMPL. (Ready to prod.)	18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*	19. ELEV. CASINGHEAD
3-10-74	4-30-74	7-15-74	3771' Gr., 3791' DF	—

20. TOTAL DEPTH, MD & TVD	21. PLUG, BACK T.D., MD & TVD	22. IF MULTIPLE COMPL., HOW MANY*	23. INTERVALS DRILLED BY	ROTARY TOOLS	CABLE TOOLS
14500'	14454'	—	→	0-14500'	—

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*: Morrow - top 13,600', bottom, 14,491'

25. WAS DIRECTIONAL SURVEY MADE: No

26. TYPE ELECTRIC AND OTHER LOGS RUN: Schlumberger BHC Sonic, GR Caliper, dual Laterolog, Microlaterolog, CNL, FDC

27. WAS WELL CORED: No

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13-3/8"	48#	456'	17½"	(550sx Class C w/2% $CaCl_2$.Circ 75 sx)	—
8-5/8"	32#	5785'	12¼"	(1st:550 sx w/additives.DV tool @3203') (2nd:2150sx w/additives.Circ 165 sx.	—
5-1/2"	17#,20#,23#	14500'	7-7/8"	Cmtd w/750sxClass C w/1/10%LWL&2%KCL/sx.Temp Surv.TOC @ 9350'	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2-7/8"	13610'	13610'

31. PERFORATION RECORD (Interval, size and number)

13760-62' 13986-14000' 14143-49'
13770-78' 14039-44' 14292-300'
13931-36' 14050-54' Total: 73',143 holes
13941-44' 14058-64' (.33" holes)
13952-58' 14112-118'

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
—	

33.* Form C 122 to be submitted when completed to sales line. Test below is flow test only.

PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)	WELL STATUS (Producing or shut-in)
7-15-74	Flowing	Producing

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD →	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
7-16-74	24	3/4"		245(condensate)	4000	0	— (gas) (gvty)

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE →	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)
2000#	pkr.		—	—	—	(0.603) 52.9 (condensate)

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.): Sold - Llano, Inc., Drawer 1320, Hobbs, New Mexico 88240

TEST WITNESSED BY: C. L. Sumerwell

35. LIST OF ATTACHMENTS: Electric logs, as run, furnished direct by logging company.

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED W. J. Mueller TITLE Senior Reservoir Engineer DATE 7-17-74

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

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

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
Surf. sand, caliche	0'	456'	
redbeds, shale	456	1222	
anhydrite	1222	1528	
anhydrite, salt	1528	1805	
salt	1805	1970	
anhydrite, salt	1970	2810	
anhydrite, salt, lime	2810	3000	
anhydrite, salt	3000	3257	
anhydrite,	3257	3362	
lime	3362	7140	
lime, sand	7140	7564	
lime	7564	11715	
lime, shale	11715	12003	
lime	12003	12225	
lime, shale	12225	12346	
lime, shale, sand	12346	12725	
lime, shale	12725	13001	
lime, shale	13001	15717	
lime, shale, sand	15717	14146	
lime, shale, sand	14146	14338	
shale	14338	14500TD	

38. GEOLOGIC MARKERS

NAME	TOP MEAS. DEPTH	TOP TRUE VERT. DEPTH
Rustler	1568'	
Del. Mtn. Gp.	5543'	
Bone Spring	8718'	
3rd Bone Spring	11270'	
Wolfcamp	11630'	
Strawn	12878'	
Atoka	13088'	
Morrow Limestone	13334'	
Morrow Sandstone	13600'	
Barnett	14491'	

U.S. GOVERNMENT PRINTING OFFICE: 1963 O 685636

Form 9-331
(May 1963)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE* (Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.: NM 0523215

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: ---

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL [ ] GAS WELL [X] OTHER

7. UNIT AGREEMENT NAME: ---

2. NAME OF OPERATOR: Phillips Petroleum Company

8. FARM OR LEASE NAME: Hat Mesa-A

3. ADDRESS OF OPERATOR: Room 711, Phillips Building, Odessa, Texas 79761

9. WELL NO.: 1

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface: 660' FS & 1980' FE Lines (Unit W)

10. FIELD AND POOL, OR WILDCAT: Hat Mesa Morrow-Gas

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: 2, 21S, 32E

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.): 3771' Gr., 3791' DF

12. COUNTY OR PARISH: Lea 13. STATE: New Mexico

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF [ ]	PULL OR ALTER CASING [ ]	WATER SHUT-OFF [X]	REPAIRING WELL [ ]
FRACTURE TREAT [ ]	MULTIPLE COMPLETE [ ]	FRACTURE TREATMENT [ ]	ALTERING CASING [ ]
SHOOT OR ACIDIZE [ ]	ABANDON* [ ]	SHOOTING OR ACIDIZING [ ]	ABANDONMENT* [ ]
REPAIR WELL [ ]	CHANGE PLANS [ ]	(Other) Total depth	[X]
(Other) [ ]		(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Reached TD of 14,500' @ 11:30 PM, 4-30-74. Cond hole.

5-2-74: Schlumberger ran BHC-sonic, GR caliper, dual laterolog, Micro laterolog, Microlog, CNL & FDC. Pulled bit up in 8-5/8" csg. SD, waiting on 5-1/2" csg.

5-3-74: SD

5-4-74: SD 11 hrs, ran bit to bottom, circ 3 hrs, COOH.

5-5-74: Set 375 jts (14500') 5-1/2" O.D. csg @ 14,500', top to bottom, as follows:
- 38 jts (1574) 20#, P-110, LT&C
- 26 jts (974) 23#, N-80, LT&C
- 143 jts (5570) 17#, N-80, LT&C
- 120 jts (4482) 20#, N-80, LT&C
- 46 jts (1890) 23#, N-80, LT&C

Howco pre-flushed w/20 bbls KCL mixed w/10 gals Morflo. Cmtd w/750 sx Class C cmt w/1/4# FWL and 2% KCL per/sx. Plug to 14,454' w/333 bbls brine. Max press 1500#, bumped w/2000#. Rotated csg at 25 RPM. Job comp @ 11:30 PM 5-6-74. WOC.

5-6-74: WOC 8 hrs, West Eng ran temp survey, TOC outside 5-1/2" csg at 9350'. Released rotary at 11 PM, 5-6-74.

Prep to perforate and complete.

18. I hereby certify that the foregoing is true and correct

SIGNED K. J. Mueller TITLE Senior Reservoir Engineer DATE May 7, 1974

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

ACCEPTED FOR RECORD
MAY 13 1974
U.S. GEOLOGICAL SURVEY
HOBBS, NEW MEXICO

*See Instructions on Reverse Side

Form 9-331
(May 1963)

UNITE STATES
DEPARTMENT .. THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICA
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42 R1424.

5. LEASE DESIGNATION AND SERIAL NO.
NM 0523215

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
--

7. UNIT AGREEMENT NAME
--

8. FARM OR LEASE NAME
Hat Mesa A

9. WELL NO.
1

10. FIELD AND POOL, OR WILDCAT
Hat Mesa Morrow Gas

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
2, 21S, 32E

12. COUNTY OR PARISH
Lea

13. STATE
New Mexico

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT -" for such proposals.)

1. OIL WELL ☐ GAS WELL ☒ OTHER

2. NAME OF OPERATOR
Phillips Petroleum Company

3. ADDRESS OF OPERATOR
Room 711, Phillips Bldg., Odessa, Texas 79761

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.)
At surface
660' FS and 1980' FE Lines (Unit W)

14. PERMIT NO.
--

15. ELEVATIONS (Show whether DF, RT, GR, etc.)
3771' Gr., 3791' DF

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF ☐	PULL OR ALTER CASING ☐	WATER SHUT-OFF ☐	REPAIRING WELL ☐
FRACTURE TREAT ☐	MULTIPLE COMPLETE ☐	FRACTURE TREATMENT ☐	ALTERING CASING ☐
SHOOT OR ACIDIZE ☐	ABANDON* ☐	SHOOTING OR ACIDIZING ☐	ABANDONMENT* ☐
REPAIR WELL ☐	CHANGE PLANS ☐	(Other) Intermediate casing string	X
(Other)		(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.) *

Reached 8-5/8" casing point in 12 1/4" hole, 5785', at 1 AM, 3-26-74. Conditioned hole. Mixed 100 bbls oil in mud system and pumped in hole. [illegible] Ran caliper survey 3500' to surface.
3-26-74. Set 144 jts 8-5/8" O.D. 32#, K-55, ST&C casing at 5785' w/DV collar at 3203'. Dowell cemented 1st stage w/100 sx Trinity LW cmt w/2% $CaCl_2$, 21# salt, 1/4# Celloflakes and 5# Kolite/sx. Slurry wt 13.4#, 150 sx RFC cmt w/1/4# Celloflakes and 5# Kolite/sx, slurry wt 14.4#, 400 sx Trinity LW w/2% $CaCl_2$, 21# salt and 1/4# Celloflakes per sx, slurry wt 14#, and 200 sx Class C cmt w/2% $CaCl_2$, and 19.6# salt/sx, slurry wt 15.4#. Displaced plug w/165 BW and 185 bbls mud. Max press 1000#, bmpd plug w/1500#. Job completed 1:30 AM 3-27-74. Csg did not rotate. Opened DV tool at 3203', circulated 12 hrs Cmtd 2nd stage w/2000 sx Trinity LW w/2% $CaCl_2$, 21# salt, 1/4# Celloflakes and 5# Kolite per sx. Slurry wt 13.5#, followed by 150 sx Class C w/2% CaCl and 19.6# salt/sx. slurry wt 15.4#. Pumped plug to 3203' w/195 BW, closed DV tool w/1500#. Circ 165 sx cmt. Job completed 2:45 PM, 3-27-74. WOC 9-1/4 hrs.
3-28-74 WOC 9 hrs, NU BOP and tested to 5000# w/Yellow Jacket, hydril to 2000#. WIH w/7-7/8 bit, drld DV @ 3203', tested to 2200# for 30 min, OK.
3-29-74 Drld plug and float at 5738', cmt to 5783'. Tested csg w/2200# for 30 min, OK. Drld shoe. Tested w/600# for 30 min, OK. Started drlg ahead at 5785' w/7-7/8" bit.

18. I hereby certify that the foregoing is true and correct
SIGNED W.J. Mueller TITLE Senior Reservoir Engineer DATE 4-4-74

(This space for Federal or State office use)

APPROVED BY ____ TITLE ____ DATE ____
CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side