

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN LOCATE
(Ours) (Yours) (or to-
vertical) (horizontal)

Form approved.
Budget Bureau No. 1004-0135
Expires August 31, 1985

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 each proposal.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		7. UNIT AGREEMENT NAME	
2. NAME OF OPERATOR Phillips Petroleum Company		8. FARM OR LEASE NAME Burch "BB" Federal	
3. ADDRESS OF OPERATOR 4001 Penbrook St., Odessa, Texas 79762		9. WELL NO. 4	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface Unit N, 660' FSL & 1980' FWL		10. FIELD AND POOL, OR WILDCAT Grayburg-Jackson-SR-Q-6-S1	
11. SEC. T., R., M., OR BLM. AND SURVEY OR AREA Sec. 23, T-17-S, R-29-E		12. COUNTY OR PARISH Eddy	
13. STATE NM		14. PERMIT NO. 30-015-03052	
15. ELEVATIONS (Show whether SP, ST, GR, etc.) 3579' GR		16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data	

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF
FRACTURE TREAT
SHOOT OR ACIDIZE
REPAIR WELL
(Other)

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PULL OR ALTER CASING
MULTIPLE COMPLETE
ABANDON
CHANGE PLANE

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SUBSEQUENT REPORT OF:

WATER SHUT-OFF
FRACTURE TREATMENT
SHOOTING OR ACIDIZING
(Other) Perforate & Acidize

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REPAIRING WELL
ALTERING CASING
ABANDONMENT

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(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.)

1/31/91: Pull one 2" X 1-1/2" X 10' sucker rod pump and 128 5/8" sucker rods. Remove old style wellhead and install new wellhead.

2/1/91: Found TD to be 3325' ground level. Perforate the 7" casing and 5-1/2" liner with 4" casing guns:

2260'	2272'	2374'	2408'	2768'-2778'	11 shots
2262'	2274'	2378'	2412'	2792'-2798'	7 shots
2264'	2340'	2382'		2808'-2826'	19 shots
2268'	2344'	2386'		2840'-2850'	11 shots
2270'	2370'	2404'			

TOTAL - 65 shots

2/4/91: Rig up and ran 5-1/2" casing scraper on 2-3/8" tubing to 3260'. POOH with scraper and 2-3/8" tubing. Replace rams in BOP.

2/5/91: Picked up 5-1/2" packer on 2-7/8" workstring and WIH. Set packer at 3200'. Treated the San Andres open hole section 3249'-3325' down 2-7/8" tubing with 5000 gallons of Pentol 200 (20% NEFe HCl) diverting with 1200# rock salt in 1200 gallons of gelled brine.

(OVER)

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

SIGNED L. M. Sanders
L. M. Sanders

TITLE Supervisor Regulation Pro. DATE 8/5/91

(This space for Federal or State office use)

APPROVED BY
CONDITIONS OF APPROVAL, IF ANY:

TITLE

ACCEPTED FOR RECORD

SEP 16 1991
SJS

*See Instructions on Reverse Side

- 2/8/91: Pick up 5-1/2" RBP packer on 2-7/8" workstring and GIH. Set RBP at 3150' and test to 500#. Packer at 3000'. Acidized the San Andres perfs 3048'-3074' down tubing with 2500 gallons of Pentol 200 (20% NEFe HCl) diverted with 250# rock salt in 250 gallons of gelled brine.
- 2/12/91: Acid Engr. pumped chemical treatment down tubing and flushed and overflushed with 150 bbls of 2% KCl water.
- 2/14/91: Release packer and retrieve RBP. Reset RBP at 2900'. Set packer and test to 500#. GIH with 7" packer on 2-7/8" workstring. Set packer at 2450'. Test all lines to 4000#. Treated the San Andres through perfs 2768'-2850' down 2-7/8" workstring with 5000 gallons of Pentol 200 (20% NEFe HCl) diverted with 52 ball sealers spaced evenly throughout treatment. Flushed with 2% KCl water to 2770'.
- 2/18/91: Unseat packer and POOH with 7" packer. Retrieved 5-1/2" RBP. Pick up 7" RBP and 7" packer on 2-7/8" tubing and WIH. Set RBP at 2450' and test to 500#. Pull packer to 2300' and set packer. Treated the Grayburg through perforations 2340'-2412' down tubing with 1500 gallons 7-1/2% NEFe HCl acid containing fines suspension agents and clay stabilizer. Diverted with 20 RCN ball sealers spaced evenly throughout the treatment. Flushed with 2% KCl water.
- 2/21/91: Unseated packer and POOH. Picked up packer on 3-1/2" workstring and WIH. Testing tubing while going in hole to 6000#. Set packer at 2300'.
- 2/22/91: Perforations 2340'-2412', 3-1/2" workstring. Test lines to 4500#. Pumped 6500 gal polyemulsion as pad. Pumped 1000 gallons with 2 ppg 20/40 mesh sand. Pumped 2000 gallons with 3 ppg 20/40 mesh sand. Pumped 2500 gallons with 4 ppg 20/40 mesh sand. Pumped 3000 gallons with 5 ppg 20/40 mesh sand. Pumped 3000 gallons with 6 ppg 20/40 mesh sand. Pumped 2000 gallons with 8 ppg of 20/40 mesh sand. Flushed to 2300' with 1/4 polyemulsion and 3/4 gelled water.
- 3/6/91: Unseat packer and kill well. Pick up packer on 3-1/2" workstring and WIH. Retrieved RBP and pull up hole and set at 2315'.
- 3/11/91: Acid Engr. to fracture treat the Grayburg through perfs 2260'-2274' (7 holes) down 3-1/2" workstring as follows: Pumped 4500 gallons of polyemulsion as pad (10.5 BPM @ 2900#). Pumped 500 gallons with 1 ppg 16/30 mesh sand. Pumped 1000 gallons with 2 ppg 16/30 mesh sand. Pumped 1500 gallons with 3 ppg 16/30 mesh sand. Pumped 2000 gallons with 4 ppg 16/30 mesh sand (10 BPM @ 3000#). When 4 ppg hit formation pressure went from 3200# to 3950#.
- 3/13/91: Released packer at 2200' and POOH with packer and 3-1/2" workstring. WIH w/retrieving tool for RBP @ 2310' on 2-3/8" tubing. Retrieve RBP and POOH with same.