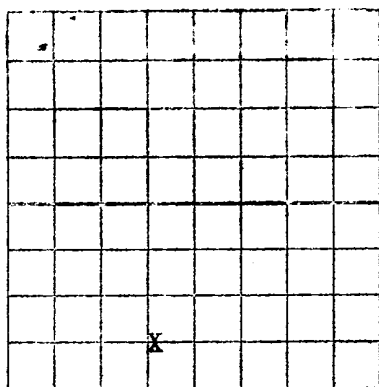


NEW MEXICO OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICO

WELL RECORD

RECEIVED
FEB 20 1961D. C. C.
ARTESIA, OFFICEAREA 640 ACRES
LOCATE WELL CORRECTLYMAIL TO DISTRICT OFFICE, OIL CONSERVATION COMMISSION, TO WHICH FORM
C-101 WAS SENT NOT LATER THAN TWENTY DAYS AFTER COMPLETION OF WELL.
FOLLOW INSTRUCTIONS IN RULES AND REGULATIONS OF THE COMMISSION.
SUBMIT IN QUINTUPPLICATE.

Humble Oil & Refining Company

Abo Chalk Bluff Draw Unit

(COMPANY OR OPERATOR)

(LEASE)

WELL NO. 19, IN SE 1/4 OF SW 1/4, OF SEC. 16, T-18-S, R-27-E, NMPM.

Empire Abo U. L. L. C. POOL, Eddy COUNTY.

WELL IS 990 FEET FROM South LINE AND 1650 FEET FROM West LINE

OF SECTION 16. IF STATE LAND THE OIL AND GAS LEASE NO. IS Pan American 7989

DRILLING COMMENCED November 7, 1960 DRILLING WAS COMPLETED December 8, 1960

NAME OF DRILLING CONTRACTOR Lee Drilling Company

ADDRESS Philtower Building, Tulsa, Oklahoma

ELEVATION ABOVE SEA LEVEL AT TOP OF TUBING HEAD 3435 DF. THE INFORMATION GIVEN IS TO BE

KEPT CONFIDENTIAL UNTIL , 19

OIL SANDS OR ZONES

NO. 1, FROM 5670 TO 5680 NO. 4, FROM TO

NO. 2, FROM TO NO. 5, FROM TO

NO. 3, FROM TO NO. 6, FROM TO

IMPORTANT WATER SANDS

INCLUDE DATA ON RATE OF WATER INFLOW AND ELEVATION TO WHICH WATER ROSE IN HOLE.

NO. 1, FROM TO FEET.

NO. 2, FROM TO FEET.

NO. 3, FROM TO FEET.

NO. 4, FROM TO FEET.

CASING RECORD

SIZE	WEIGHT PER FOOT	NEW OR USED	AMOUNT	KIND OF SHOE	CUT AND PULLED FROM	PERFORATIONS	PURPOSE
8 5/8	24	new	1522	Howco	-	-	Surface
4 1/2	9.5	new	5970	Howco	-	5670-5680	Production

MUDDING AND CEMENTING RECORD

SIZE OF HOLE	SIZE OF CASING	WHERE SET	NO. SACKS OF CEMENT	METHOD USED	MUD GRAVITY	AMOUNT OF MUD USED
11	8 5/8	1534	800	Howco		
7 7/8	4 1/2	5983	800	Howco		

RECORD OF PRODUCTION AND STIMULATION

(RECORD THE PROCESS USED, NO. OF QTS. OR GALS. USED, INTERVAL TREATED OR SHOT.)

See Attached sheet.*

RESULT OF PRODUCTION STIMULATION *

DEPTH CLEANED OUT

ABO CHALK BLUFF DRAW UNIT, WELL #19, HUMBLE OIL & REFINING COMPANY

RECEIVED
FEB 20 1961

P. C.
TESTESIA, OFFICE

Perforated 4½" csg 5910-5922' w/2 jet shots per ft. Acidized perms 5910-5922' w/2000 gals 15% acid with avg inj rate of 4.2 BPM. Swbd 3 hrs, rec 25 bbls acid wtr. On 10 hr swab test, rec 16 bbls acid wtr. Swbd 11 hrs, rec 11 bbls wtr with slight show oil. Swbd dry. Shut well in for 4 days. Pulled 2" tbg. Perf 4½" csg 5850-5878' w/2 shots per ft. Ran tbg & pkr. Displaced wtr in hole with acid. Treated perforations 5910-5922' & 5850-5878' w/15,000 gals 15% low tension non-emulsion acid with avg inj rate of 9.4 BPM. Swbd 11 hrs, rec 14 bbls load & acid wtr - no show oil or gas. On 9 hr swb test, rec 30 bbls load & acid wtr. Swbd dry. Well shut in 2 days. Swbd 4 hrs, rec 25 bbls load & acid wtr. Swbd well to 5800' - no show. Pld tbg & shut well in. Ran tbg & set Halliburton DC squeeze tool at 5830'. Squeezed perms 5910-5922' & 5850-5878' w/100 sx reg neat cmt. Reversed out 30 sx. Pld tbg out of hole. Perf 4½" csg 5740-5750', 5776-5786 & 5792-5806' w/2 shots per ft. Ran tbg w/pkr set at 5606'. Swbd dry. Acidized perms w/4000 gals low tension acid with avg inj rate of 5.5 BPM. Opened well - flowed back 20 bbls acid wtr & swbd 10 bbls acid wtr. On 11 hr swb test, rec 60 bbls acid wtr w/show oil. On 9 hr swb test, rec 29 bbls acid wtr w/trace oil. Swbd 20 hrs, rec 89 bbls acid wtr. On 11 hr swb test, rec 1 bbl & 28 bbls wtr. Well shut in. Perf 4½" csg 5670-5680' w/2 shots per ft. Pld tbg. Ran tbg w/Baker full bore cementer set at 5716'. Spotted 2000 gals acid above pkr. Pmpd acid into perforations. Had 4 bbls acid in formation & established communication between perforations. Swbd 3 hrs, rec 33 bbls load & acid wtr. On 12 hr swb test rec 41 bbls wtr. Swbd dry. On 10 hr swb test, rec 27 bbls wtr. Lowered 2" tbg to 5700' & spotted 1000 gals Dowell Jel X-830 over perms 5740-5750, 5756-5786 & 5792-5806 with gradual pressure buildup. Plg tbg out of hole & shut in well. Ran tbg w/Halliburton drillable cmt retainer set at 5645'. Squeezed perms 5670-80, 5740-50, 5774-5786, 5792-5804 w/200 sx slo-set neat cmt. Reversed out 5 sx. Pld tbg. Perf 4½" csg 5670-5680'. Ran tbg in hole with pkr at 5572'. Swbd well dry. Acidized 5670-5680' w/2000 gals low surface tension acid, avg inj rate 3.5 BPM. Swbd 28 bbls acid wtr. On 9 hr swb test, rec 70 bbls fluid, 3 BO & 67 bbls water. Swbd 9 hrs, rec 10 bbls oil & 10 bbls water. Swbd dry. On 8 hr swb test, rec 7 bbls oil & 13 bbls wtr. Swbd 9 hrs, rec 6 bbls oil & 13 bbls wtr. Swbd dry. Acidized 5670-5680' w/4000 gals non-emulsion low surface tension acid, avg inj rate 6.4 BPM. Swbd 1 hr, rec 42 bbls acid wtr. Well started flowing, flowed 22 bbls oil & 21 bbls acid water in 5 hrs. Shut well in. Opened well, flowed 1 hr & died. Swbd dry, kicked off & flowed 1 hr. Swbg, rec 30 bbls oil & 37 bbls acid wtr. On 22 hr flow test, rec 108 bbls PLO on 1/4" choke with TP 340. Testing. Final tubing setting at 5574'. On 17 hr potential test, rec 75 bbls oil, 7/10% BS&W on 14/64" choke. Completed as flowing oil well thru perms 5670-5680'.