

LAND OFFICE NM-04175-BLEASE NO. 231616UNIT AUNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

RECEIVED

SEP 12 1960

O. C. C.

ARTESIA, OFFICE

NOTICE OF INTENTION TO DRILL		SUBSEQUENT REPORT OF WATER SHUT-OFF	
NOTICE OF INTENTION TO CHANGE PLANS		SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF		SUBSEQUENT REPORT OF ALTERING CASING	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL		SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE		SUBSEQUENT REPORT OF ABANDONMENT	
NOTICE OF INTENTION TO PULL OR ALTER CASING		SUPPLEMENTARY WELL HISTORY	
NOTICE OF INTENTION TO ABANDON WELL		Temporarily Abandoned	X

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

Abo Chalk Bluff Draw UnitAugust 31, 19 60WELL NO. 12 IS LOCATED 550 FT. FROM {N} LINE AND 350 FT. FROM {E} LINE OF SEC. 17NE/4 of NE/4 of Sec 17
(1/2 SEC. AND SEC. NO.)18-S 27-E
(TWP.) (RANGE)

(MERIDIAN)

Empire Abo
(FIELD)Eddy
(COUNTY OR SUBDIVISION)New Mexico
(STATE OR TERRITORY)THE ELEVATION OF THE DERRICK FLOOR ABOVE SEA LEVEL IS 3483 FT.

DETAILS OF WORK

(STATE NAMES OF AND EXPECTED DEPTHS TO OBJECTIVE SANDS; SHOW SIZES, WEIGHTS, AND LENGTHS OF PROPOSED CASINGS; INDICATE MUDDING JOBS, CEMENTING POINTS, AND ALL OTHER IMPORTANT PROPOSED WORK.)

Perforated 4 1/2" csg from 5535-5557 w/2 shots per ft, acidized perf from 5535-5557' w/6000 gal acid. Swab dry. Spotted Dowell Gel X820 over perf 5535-5557'. Perf 4 1/2" csg from 5470-5483, 5486-5500, 5506-5522' w/2 shots per ft. Acidized perf from 5470-5522, w/6000 gal reg 15% acid, after two days well swabbed dry. Set packer at 5528', pressured up between tbg & csg, circulated fluid @ 500#. Indicated channel behind 4 1/2" csg. Set cmt retainer at 5528', circulate behind 4 1/2" csg through perforations. Squeeze cmt perf from 5470-5557 w/150 sacks cmt. Drill cmt from 5430-5525, tested csg w/1000# - held OK. Perf 4 1/2" csg from 5486-5500' & 5506-5522' w/2 shots per ft. Swabbed dry. Acidized perf from 5486-5522, w/12,000 gal reg 15% acid, swabbed dry. Squeezed perf from 5486-5500' & 5506-5522' w/55 sx Dowell D-23 FLAC cmt. Drill cmt from 5438-5528'. Pressure tested squeezed perfs - broke down. Set retainer at 5408 & squeeze cmt w/75 sx Dowell FLAC cmt, squeezed out 45 sx into formation. Found retainer at 5481', drilled out to 5528', tested w/4000#, failed to hold. Drilled bridge plug & cmt to 5600, perfs from 5535-5557 broke down, squeeze

I UNDERSTAND THAT THIS PLAN OF WORK MUST RECEIVE APPROVAL IN WRITING BY THE GEOLOGICAL SURVEY BEFORE OPERATIONS MAY BE COMMENCED.

COMPANY Humble Oil & Refining CompanyADDRESS Box 2347Hobbs, N.M.

By

O.M. EAT
SIC

ARVIN D. EADY

RECEIVED

TITLE Agent

SEP 1 1960

U. S. GOVERNMENT PRINTING OFFICE 16-2437-5
U. S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO

Abo Chalk Bluff Draw Unit, Well #12 - Humble Oil & Refining Company
Continuation of Form 9-331A, dated 8-31-60.

cmt with 75 sx Dowell FLAC cmt. Drilled cmt & retainer to 5600'. Set retainer at 5528', cmt w/75 sx Dowell FLAC cmt first stage, squeezed another 75 sx, squeezed obtained with 55 sx in formation at 4000 psi. Drilled cmt & retainer to 5600'. Set packer at 5440', pumped in 1500 gal 15% reg acid followed by 150 sx slo-set neat cmt. 142 sx into formation thru perf 5535-5557 w/5500#, reversed out 8 sx. Drilled retainer and cmt to 5600'. Pressured up casing to 2000#, held OK. Perf 4 1/2" csg at 5569' w/4 holes. Spotted 250 gal 15% acid on perf at 5569', pressured to 2600# on tbg & 2000# on csg, pumped into formation @ 1 bbl per min. Pressure broke to 5000#, pumped into formation @ 5800# at rate of 4 1/2 bbls per min. Communications between perforations. Set cmt retainer at 5430, pumped into formation w/water at 2 BPM, pumped 5 bbls acid and 80 sx cmt tbg, cmt retainer failed. Reversed out cmt and 1 bbl acid. Set retainer at 5400', pumped in 200 sx reg neat cmt, did not squeeze. WOC 6 hrs, pumped 200 sx neat cmt @ 2800#. Did not squeeze. WOC 7 hrs. Pumped 200 sx neat cmt @ 3000#. Did not squeeze, WOC 8 hrs. Pumped 200 sx neat cmt @ 3100#. Did not Squeeze. Set retainer at 5400'. Squeezed perf in 4 1/2" csg at 5569 w/50 sx reg neat cmt and 100 sx reg w/5# gilsonite per sx and 50 sx reg neat cmt. After pumping in 180 sx at 5600 to 5800 tubing pressure and 2400# csg pressure, cmt retainer failed. Circ out cmt. No free movement. Cut tbg at 5375' w/chemical cutter. Jarred packer loose. Ran Klustrite shoe #1, milled 3 hrs, made 1' of hole, rec steel cuttings & cmt. Ran Klustrite shoe #2 w/inside cutting edge built up 3" ID milled 2 hrs unable to make hole. Pulled tbg out of hole. Well Temporarily Abandoned.