(FER. 1951)       (SUBMIT IN TRIPLICATE)       (LIND OFFICE NO. 231616 •         Image: Submit in triplicate       UNITED STATES       UNIT_A         Image: Submit in triplicate       DEPARTMENT OF THE INTERIOR       UNIT_A         Image: Submit in triplicate       DEPARTMENT OF THE INTERIOR       UNIT_A         Image: Submit in triplicate       Submit in triplicate       Submit in triplicate         Image: Submit in triplicate       Subsequent report of the Submit in triplicate       Subsequent report of shorting or activities         Notice of Intention to Drill       Subsequent report of Altrening CASING       Subsequent report of Altrening CASING         Notice of Intention to Second activities       Subsequent report of Altrening CASING       Subsequent report of Altrening CASING         Notice of Intention to Second activities       Subsequent report of Altrening CASING       Subsequent report of Altrening CASING         Notice of Intention to Short or Activities       Subsequent report of Altrening CASING       Subsequent report of Altrening CASING         Notice of Intention to Additize       Subsequent report of Altrening CASING       Subsequent report of Altrening CASING         Notice of Intention to Additize       Subplate Altrening CASING       Subsequent report of Altrening CASING         Notice of Intention to Additize       Subplate Altrening CASING       Subplate Altrening CASING         Notice of Inten		ę =				
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NE/4 of NE/4 of Sec 17       18-S       27-E         (k: sec. and sec. no.)       (typ.)       (range)       (heridian)         Empire Abo       Eddy       New Mexico         (FIELD)       (county or subdivision)       (state or teeritor)         THE ELEVATION OF THE DERRICK FLOOR ABOVE SEA LEVEL IS 3483       FT.         DETAILS OF WORK       (state or teeritor)         (state names of and expected depths to objective sands; show sizes, weights, and lengths of 'proposed casings; indicate mudding jobe, cementing points, and all other important proposed work.)	WELL NO	DFT. FROM	LINE AND 220	_FT. FROM { - } LINE OF SEC		
Emplire Abo       Eddy       New Mexico         (FIELD)       (COUNTY OR SUBDIVISION)       (STATE OR TEERITORY)         THE ELEVATION OF THE DERRICK FLOOR ABOVE SEA LEVEL IS 3483 FT.       DETAILS OF WORK         DETAILS OF WORK       (STATE NAMES OF AND EXPECTED DEPTHS TO OBJECTIVE SANDS; SHOW SIZES, WEIGHTS, AND LENGTHS OF "PROPOSED CASINGS; INDICATE MUDDING JODE, CEMENTING POINTS, AND ALL OTHER IMPORTANT PROPOSED WORK.)						
Emplire Abo       Eddy       New Mexico         (FIELD)       (COUNTY OR SUBDIVISION)       (STATE OR TEERITORY)         THE ELEVATION OF THE DERRICK FLOOR ABOVE SEA LEVEL IS 3483 FT.       DETAILS OF WORK         DETAILS OF WORK       (STATE NAMES OF AND EXPECTED DEPTHS TO OBJECTIVE SANDS; SHOW SIZES, WEIGHTS, AND LENGTHS OF "PROPOSED CASINGS; INDICATE MUDDING JODE, CEMENTING POINTS, AND ALL OTHER IMPORTANT PROPOSED WORK.)	(%: SEC. AND SEC. NO.)	(TWP.) (R	ANGE) (MER	IDIAN)		
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CEMENTING POINTS, AND ALL OTHER IMPORTANT PROPOSED WORK.)		DETAIL	S OF WORK			
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ted 1tm eeg from 6575,5557 11/7 chota non Pt - paidigod wont thom 5575_55571 11/5(11)						

Perforated  $4\frac{1}{2}$ " 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  $4\frac{1}{2}$ " 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 tb: & csg, circulated fluid @ 500#. Indicated channel behin'  $4\frac{1}{2}$ " csg. Set cmt retainer at 5528', circulate behind  $4\frac{1}{2}$ " 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  $4\frac{1}{2}$ " csg from 5486~5500' & 5506-5522' u/2 shots per ft. Swabbed dry. Acidized perf from 5486~5522, w/12,000 gal reg 15% acid, swabbed dry. Squeezed perf from 5486~5522' 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 5535~557' broke down, squeeze

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

COMPANY_	Humble Oil & Refini	ng Company		
ADDRESS.	Box 2347			
	Hobbs, N.M.	994 (	Original BySigned	ARVIN PIEV
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		U. S. COVERNMENT PRINTING OFFICE	1621437-5	

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 42" csg at 5569 w/4 holes. Spotted 250 gal 15% acid on perf at 5569 , pressured to 2600# on the & 2000# on csg. pumped into formation @ 1 bbl per min. Pressure broke to 5000#, pumped into formation @5800# at rate of  $4\frac{1}{2}$  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 emt and 1 bbl acid. Set retainer at 5400°, pumped in 200 sx reg neat cmt, did 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, WCC 8 hrs. Pumped 200 sx neat cmt @ 3100#. Did not Squeeze. Set retainer at 5400'. Squeezed perf in  $4\frac{1}{2}$  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 thg out of hole. Well Temporarily Abandoned.