

30-039-21102

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. NM 03381
b. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input checked="" type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
2. NAME OF OPERATOR Caulkins Oil Company		7. UNIT AGREEMENT NAME
3. ADDRESS OF OPERATOR Post Office Box 780, Farmington, New Mexico		8. FARM OR LEASE NAME Breech B
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At surface 820 from North and 1000 from West At proposed prod. zone Same		9. WELL NO. 217
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE 30 Miles Southeast of Blanco, New Mexico		10. FIELD AND POOL, OR POCAT South Blanco-Otero Chacra
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 820'		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Section 14 26North 7West
16. NO. OF ACRES IN LEASE 1120		12. COUNTY OR PARISH Rio Arriba
17. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 2810		13. STATE New Mexico
18. PROPOSED DEPTH 3425		19. ROTARY OR CABLE TOOLS Rotary
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 6127 Ground		22. APPROX. DATE WORK WILL START* June 15, 1975

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 3/4	8 5/8"	24	120	Sufficient to circulate
7 7/8"	4 1/2"	10.5	3425	Approx. 400 sacks.

It is proposed to drill well to approx. 3425'. 4 1/2" casing will be run to TD and cemented with sufficient cement to cover Alamo Sand. After cement sets 120 hrs. or more, casing will be perforated opposite Chacra Sand and then sand water fraced with approx. 50,000# sand. Bridge plug will be set above Chacra Perforations and then Pictured Cliffs will be perforated and sand water fraced. Bridge plug will be drilled out the permanent type production packer will be set at approx 3300'. 1 1/4" 2.4# IJ tubing will be run to production packer for Chacra production. 1" 1.7# Non-EUE 10 rd. thd. tubing will be run to top of Pictured Cliffs pay.

A pressure operated double blowout preventor will be in use at all times while drilling below 120'.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED Charles E. Vargue TITLE Superintendent DATE May 18, 1975
(This space for Federal or State office use)

PERMIT NO. 21 APPROVAL DATE _____

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

*See Instructions On Reverse Side

CAULKINS OIL COMPANY
Post Office Box 780
Farmington, New Mexico

May 18, 1975

United States Dept. of the Interior
Geological Survey
Post Office Box 1809
Durango, Colorado 81301



Gentlemen:

Following is our 12 point development plan for surface use on our well number 217, located in NW 1/4 of section 14 26North 7 West, Rio Arriba County, New Mexico.

- (1) Existing road down north side of Largo Canyon from Largo Canyon Bridge will be used.
- (2) Approx. 1000' of new road will be required for this location. Road will be built on grade between sand wash and base of ridge. See Topo map attached.
- (3) (4) See Topo map attached.
- (5) (8) 9) No tank batteries, airstrip or camp.
- (6) Water will be hauled from pit in Largo Canyon. Pit is located at bridge near Largo Canyon School.
- (7) All cuttings, trash, garbage and etc. will be confined to reserve pit shown on attached layout plat.
- (10) Surface vegetation is sage brush and native grama. Completed drilling pad will be compacted.
- (11) Reserve pit will be cleaned up and leveled, then complete location area will be reseeded with BLM approved seed mixture.
- (12) Location will be on gentle hillside. Approx 6' cut on high side of location will be required.

Yours very truly,

Charles E. Auger

NEW MEXICO LAND COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102
Supersedes C-120
Effective 1-1-65

All distances must be from the outer boundaries of the Section.

Operator Caulkins Oil Company			Lease NM 03381		Well No. 217
Unit Letter D	Section 14	Township 26 North	Range 7 West	County Rio Arriba	
Actual Footage Location of Well: 820 feet from the North line and 1000 feet from the West line					
Ground Level Elev. 6127	Producing Formation Pictured Cliffs-Chacra		Pool South Blanco-Otero Chacra	Dedicated Acreage: 160 Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

☐ Yes ☐ No If answer is "yes," type of consolidation _____

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.

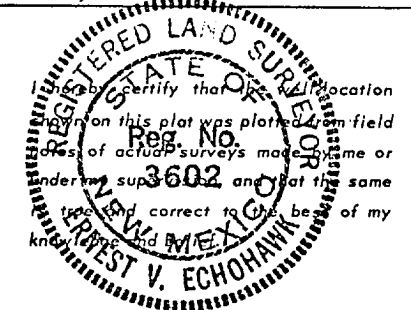
CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Name Charles E. Vergara
Position
Superintendent

Company
Caulkins Oil Company

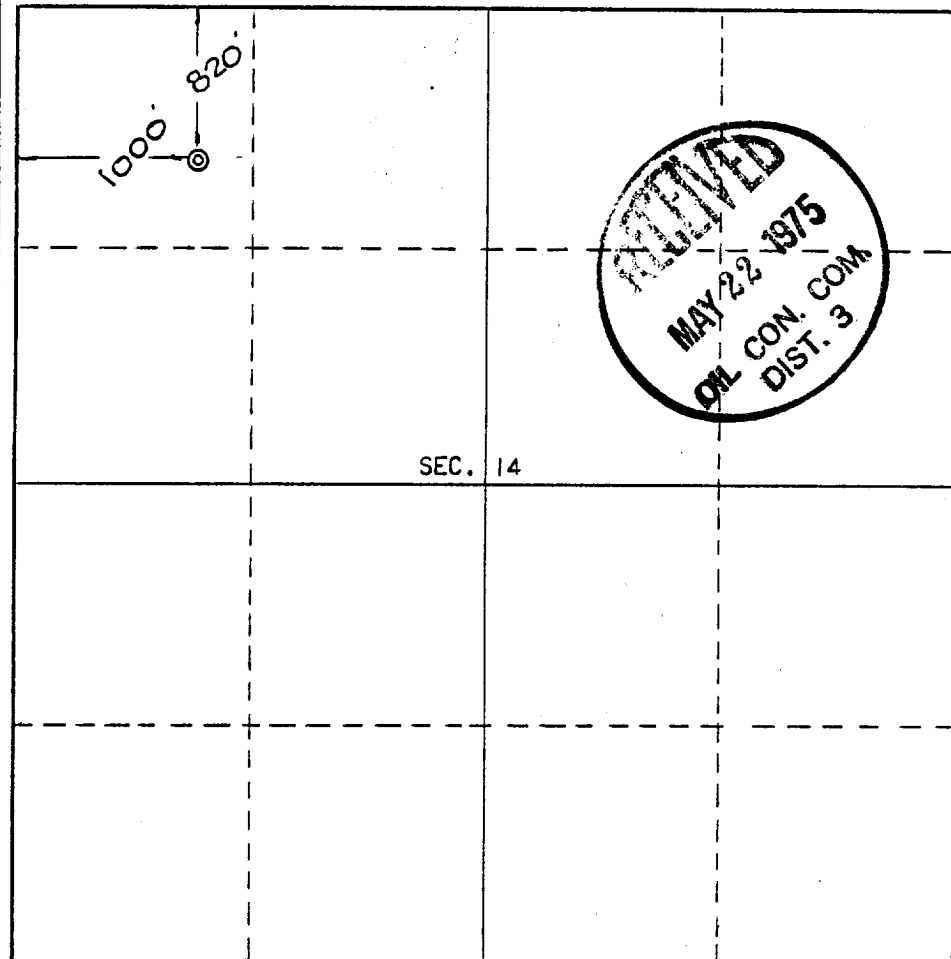
Date
May 18, 1975



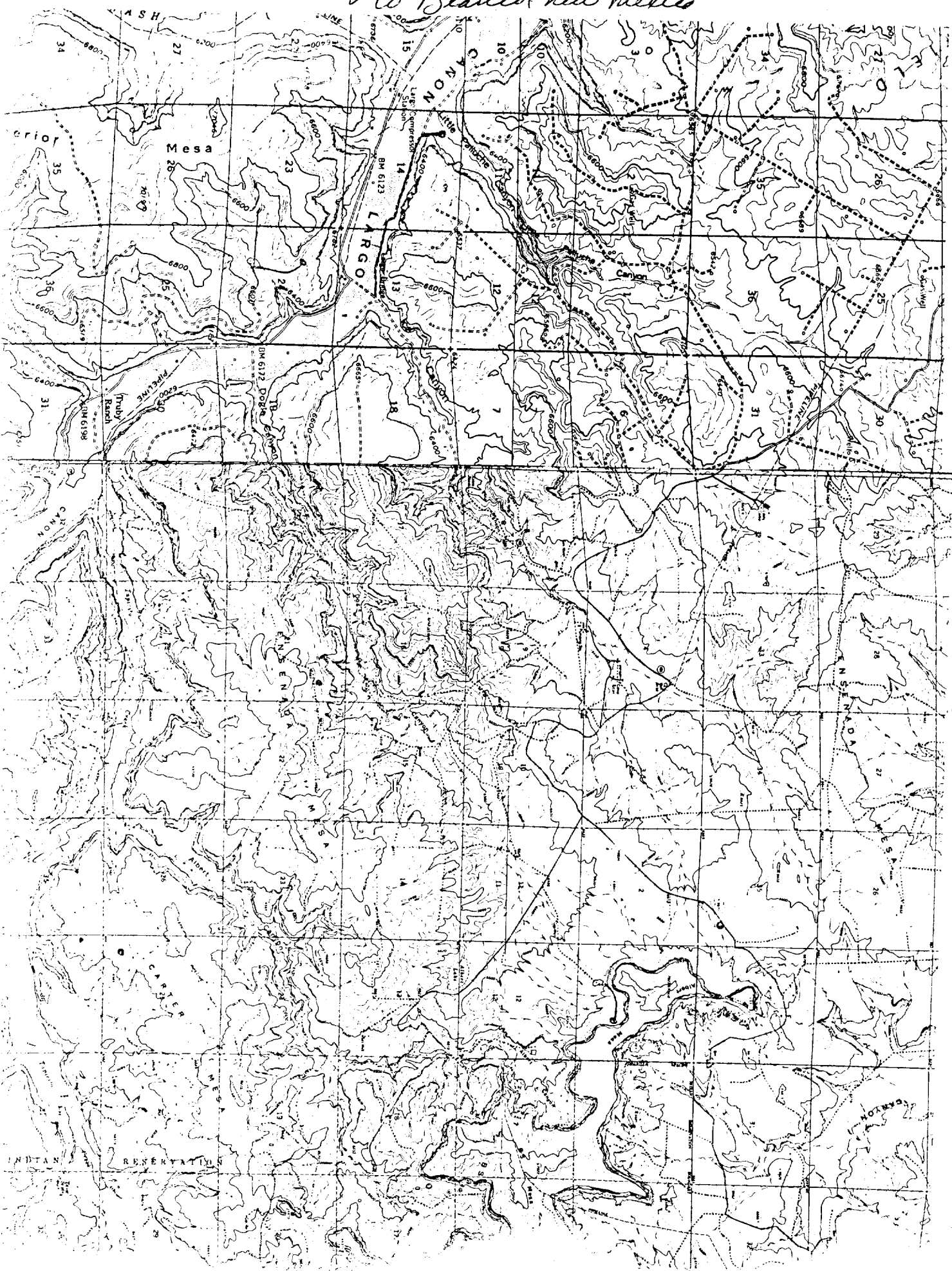
Date Surveyed
May 12, 1975

Registered Professional Engineer
and/or Land Surveyor

E.V. Echohawk
Certificate No. **3602**
E.V. Echohawk LS

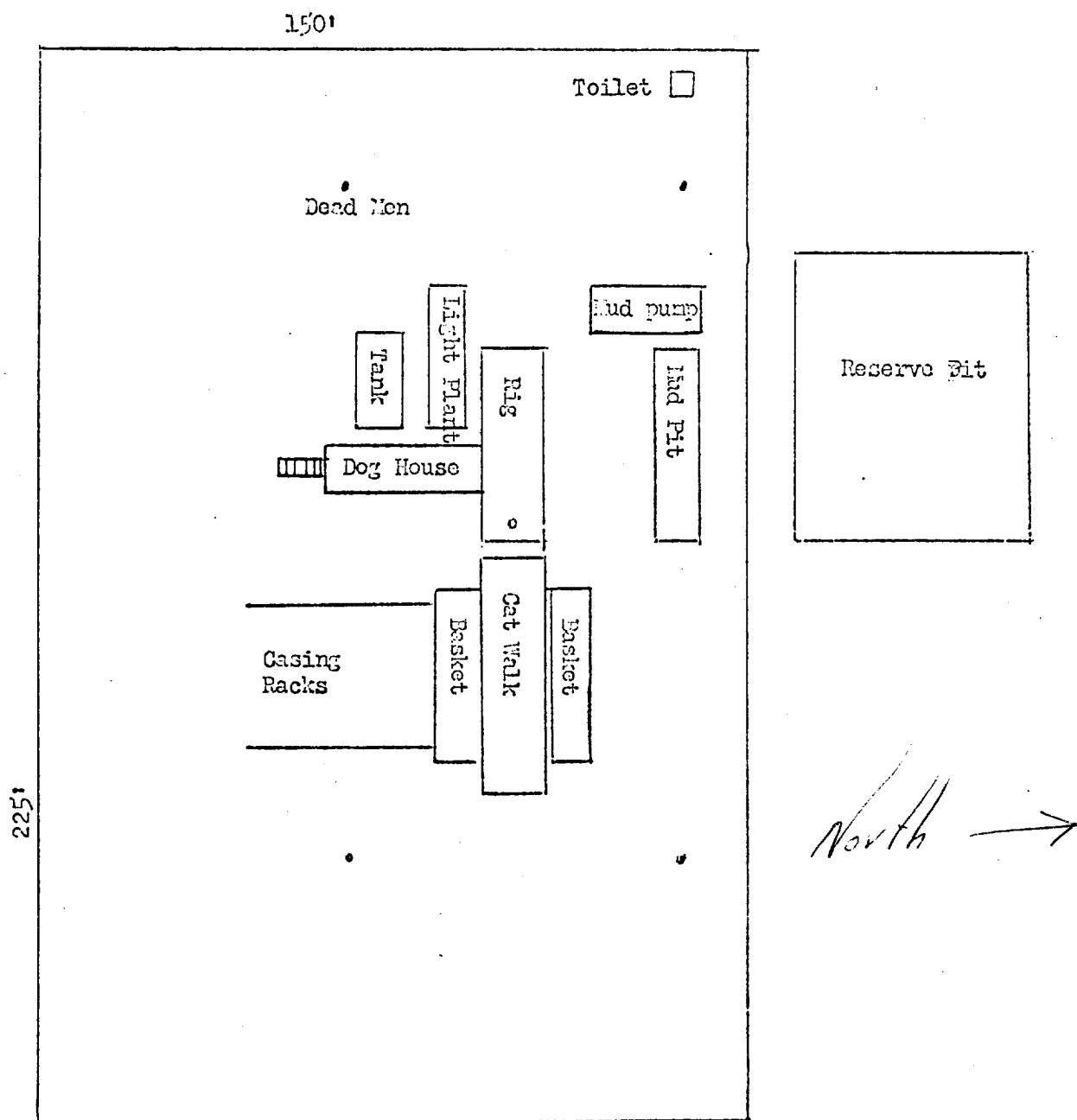


to Blanco, New Mexico



NORTH

#217



Scale - 33 1/3 feet per inch

Well Number 217

Located in NW 1/4 Section 14 26N 7W