

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK
DRILL ☒ DEEPEN ☐ PLUG BACK ☐

b. TYPE OF WELL
OIL WELL ☐ GAS WELL ☒ OTHER ☐ SINGLE ZONE ☐ MULTIPLE ZONE ☐

2. NAME OF OPERATOR
~~John B.~~ Schalk Development Co.

3. ADDRESS OF OPERATOR
P. O. Box 25825, Albuquerque, N. M. 87125

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)
At surface
1850' FNL, 1190' FWL, Section 8, Township 25
At proposed prod. zone
North, Range 3 West, Rio Arriba, N. M.

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
15 miles from Lindrith, New Mexico

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT.
(Also to nearest drlg. unit line, if any) 1190'

16. NO. OF ACRES IN LEASE 856.15

17. NO. OF ACRES ASSIGNED TO THIS WELL 4/320 ~~150~~

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 2240'

19. PROPOSED DEPTH 5984'

20. ROTARY OR CABLE TOOLS Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.) 7186' GR

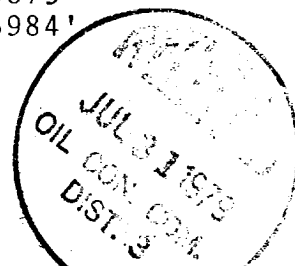
22. APPROX. DATE WORK WILL START* No Later Than 9-15-79

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
11"	8-5/8"	24#	150	150 sacks circulated
7-7/8"	4-1/2"	10.5#	5984	300 sacks

FORMATION TOPS

Ojo Alamo	3211'	Cliff House	5316'
Kirtland	3354'	Menneffee	5404'
Fruitland	3538'	Point Lookout	5803'
Pictured Cliffs	3681'	Mancos	5879'
Chacra	4523'	Total Depth	5984'

gas is identified

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 prevention program, if any.

24. *[Signature]* Operator DATE 7-27-79

(This space for Federal or State office use)

PERMIT NO. APPROVAL DATE

APPROVED BY TITLE DATE

CONDITIONS OF APPROVAL, IF ANY:

ch 5 rock

JUL 30 1979

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form O-102
Supersedes O-128
Effective 1-1-65

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

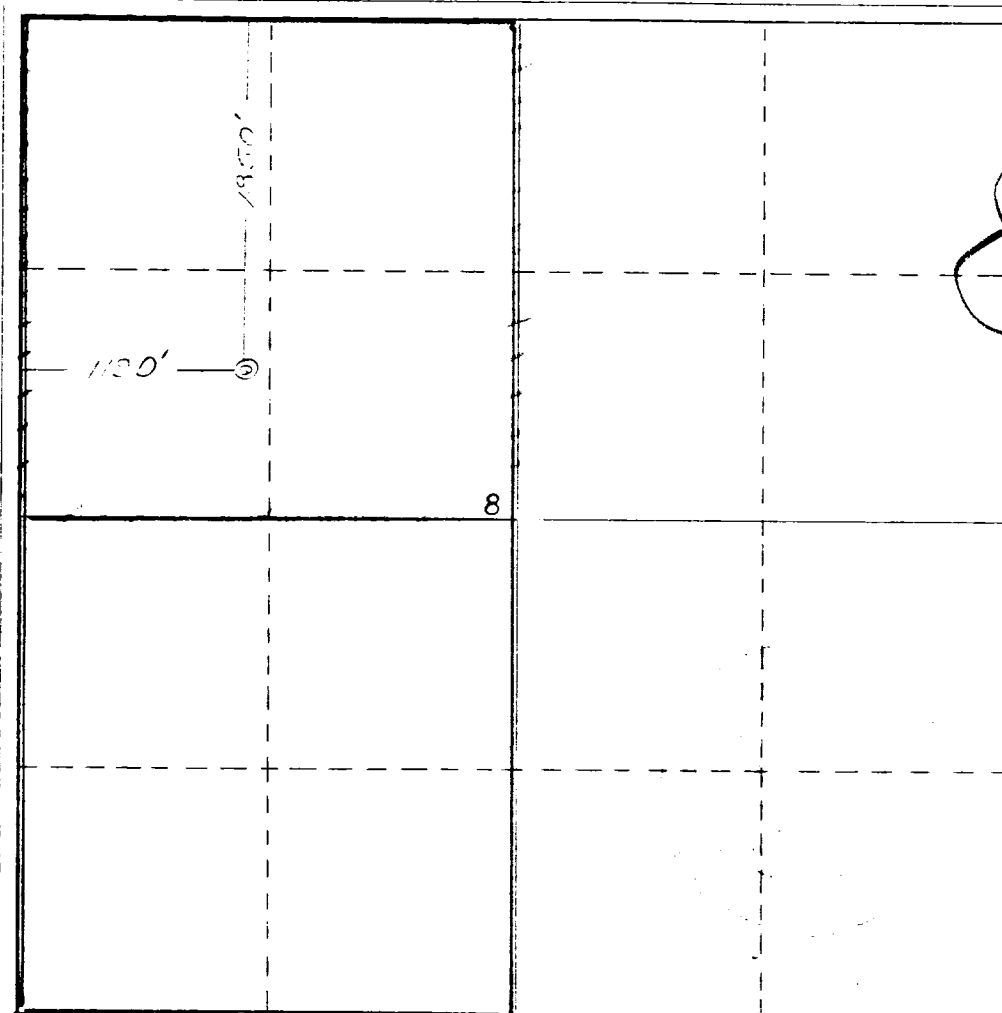
Operator JOHN SCHALK <i>Development Co.</i>			Lease SCHALK JOHN 41		Well No. 21
Unit Letter E	Section 8	Township 25 NORTH	Range 3 WEST	County RIO ARRIBA	
Actual Surface Location of Well: 1850 feet from the NORTH line and 1190 feet from the WEST line					
Ground Level Elev. 7186	Producing Formation Mesa Verde		Pool Blanco	Dedicated Acreage: 320 Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure 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.



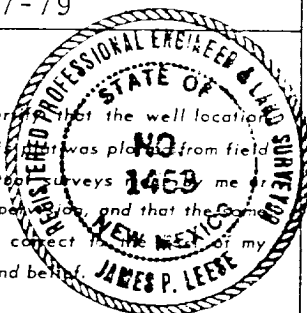
CERTIFICATION

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

John E. Schalk
Name
John E. Schalk
Position
Operator

Date
7-27-79

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys 1463 made under my supervision, and that the same is true and correct to the best of my knowledge and belief.



Date Surveyed
14 May 1979

Registered Professional Engineer and/or Land Surveyor

James P. Leese

Certificate No.
1463

330 660 990 1320 1650 1980 2310 2640 2970 3300 3630 3960 4290 4620 4950 5280 5610 5940 6270 6600

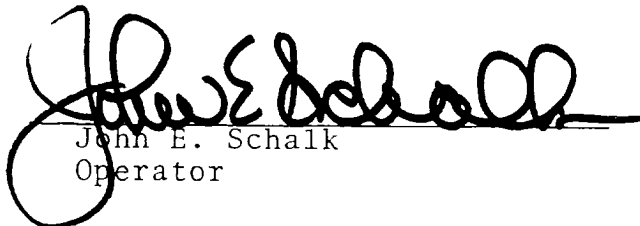
Multi-Point Surface Use and Operations Plan

1. Existing roads: Attached map shows existing road running from the Southwest corner in a Northeastern direction, turning North, past proposed location.
2. Planned Access road: Will depart from main (existing) road and run 150' West into proposed location.
3. Location of existing wells: See attached map.
4. Location of existing and/or proposed facilities: None.
5. Location and type of water supply: Water will be taken from a water hole three miles away and transported by truck to location.
6. Source of construction materials: None.
7. Methods for handling waste disposal: Cuttings to be disposed of in a reserve pit; a burn pit to be used for disposal of trash, garbage, etc.; and covered on clean-up of location.
8. Ancillary facilities: None.
9. Well site layout: Per attached drawing.
10. Restoration of surface: Upon completion of drilling operations, the disturbed surface area will be restored as near as practical to its original contours. If sufficient top soil is encountered, it will be stockpiled for restoration of surface. Restoration will be to the satisfaction of the United States Geological Survey.
11. This location slopes at an increase of 10' per 400' to the North. There will be approximately a 5' cut on the North side of the proposed location. Vegetation is sage brush, Pinon, Juniper trees, and various grasses. The surrounding area is comparable and any disturbances to the wildlife will be only temporary. With the restoration of surface, surface damage will be minimal.
12. Lessee's or Operator's Representative: John E. Schalk, P. O. Box 25825, Albuquerque, New Mexico, 87125; or Joe D. Christesson, 2301 Southside River Road, Farmington, New Mexico, 87401.

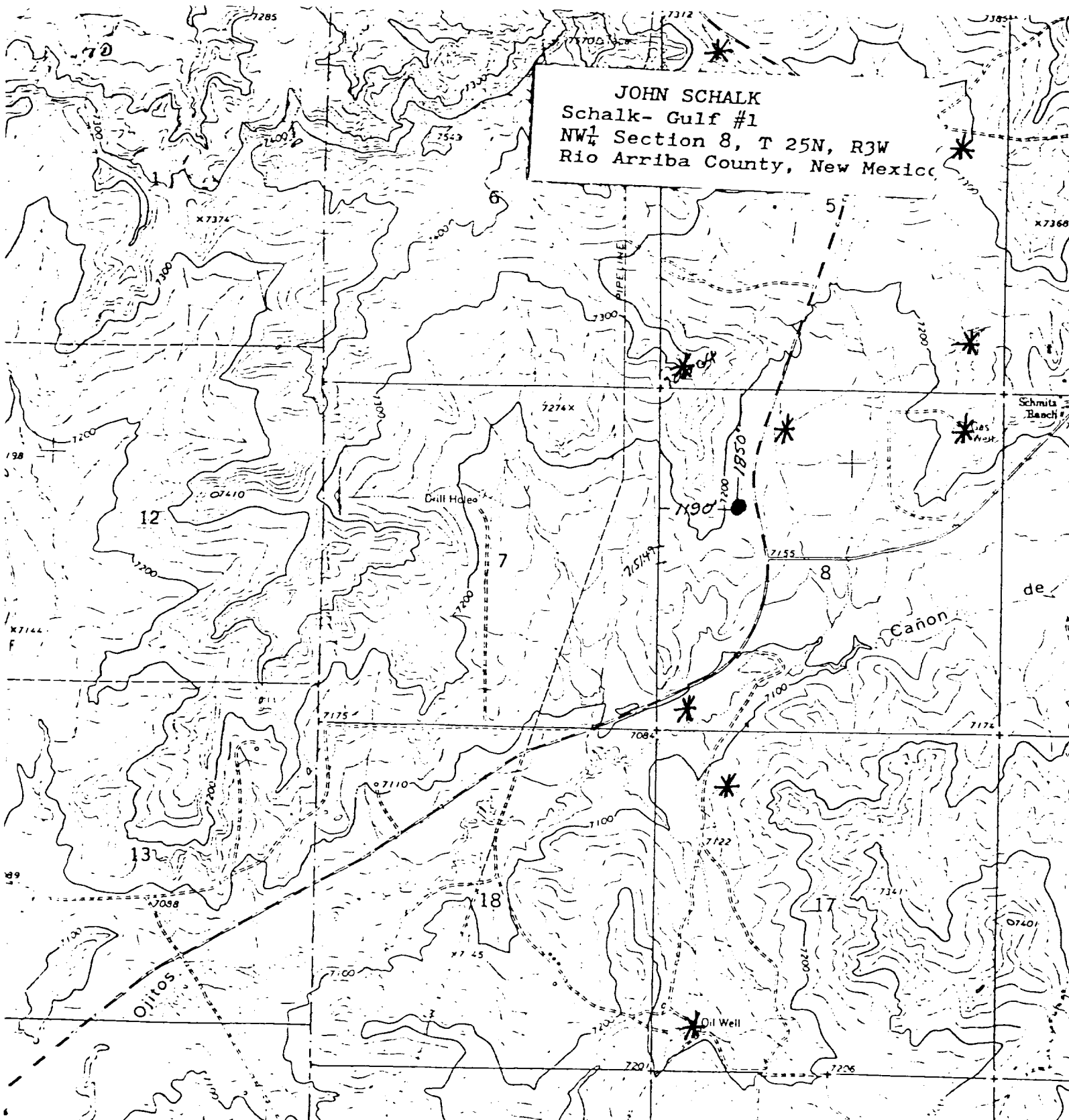
CERTIFICATION:

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and, that the work associated with the operations proposed herein will be performed by Arapahoe Drilling Co. and its contractors and sub-contractors in conformity with this plan and the terms and conditions under which it is approved.

Date 7-27-79

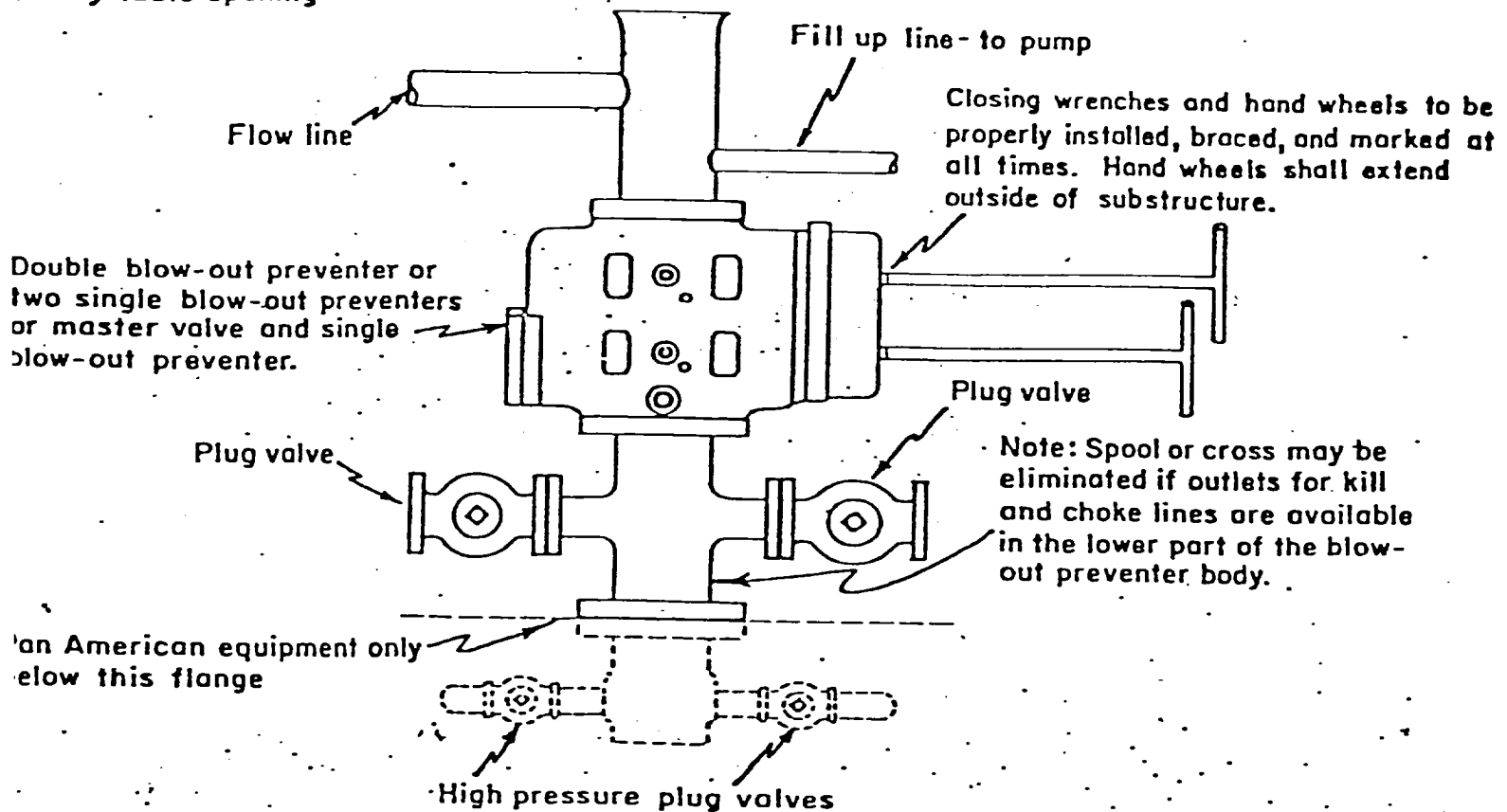

John E. Schalk
Operator

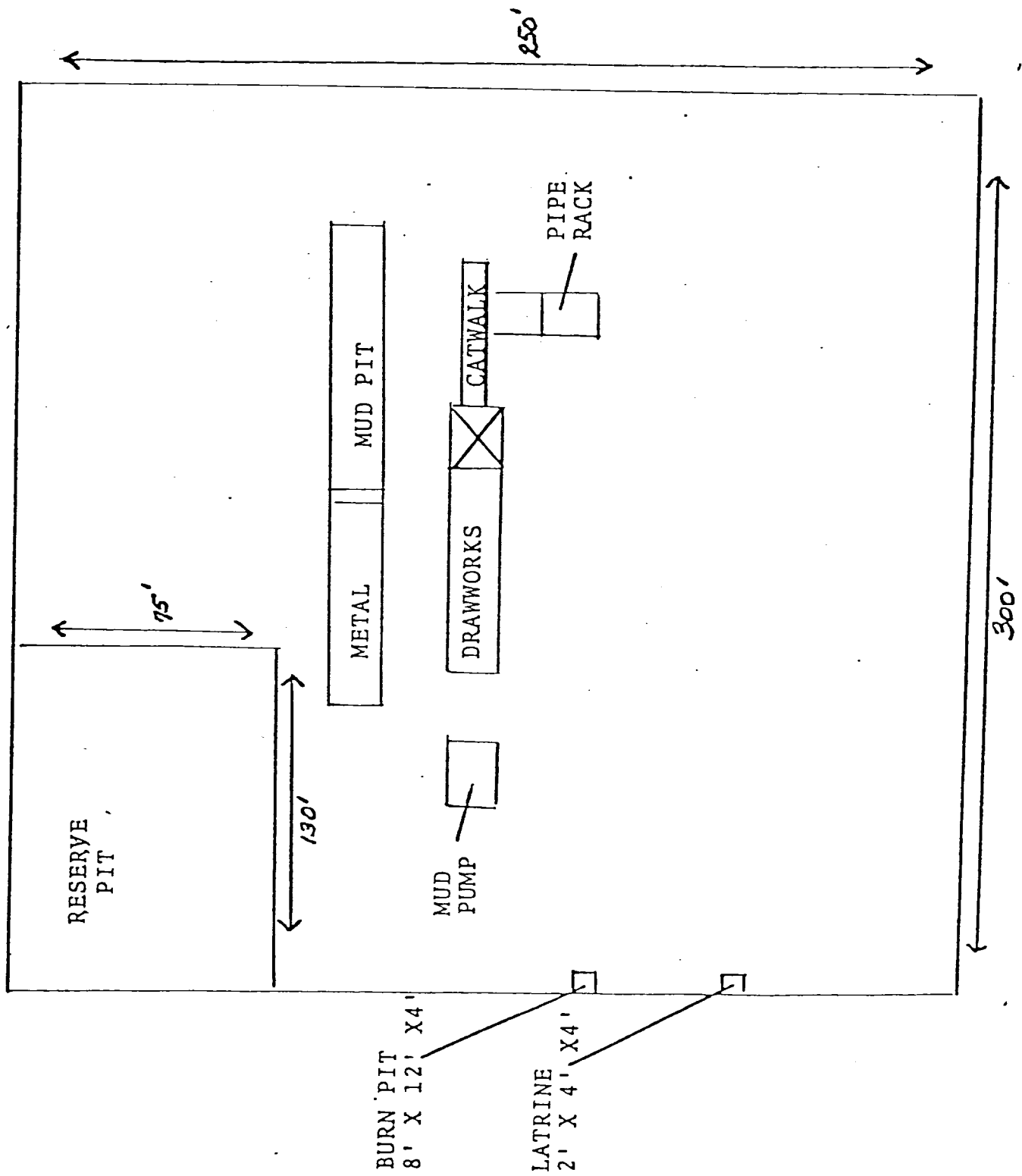
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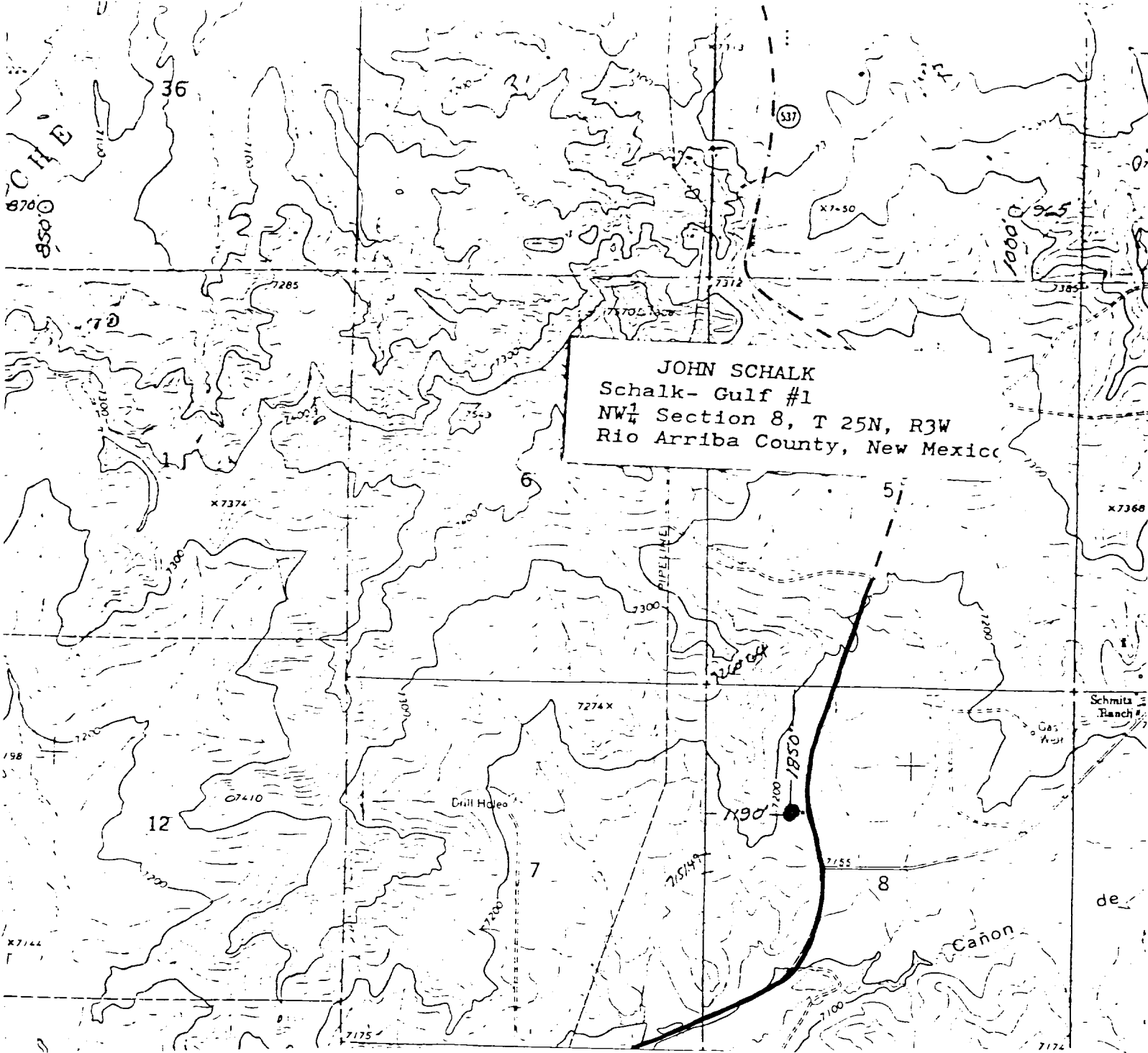


BLOW-OUT PREVENTER HOOK-UP

Drilling nipple to be so constructed that it can be removed, without use of a welder, through rotary table opening







JOHN SCHALK
Schalk- Gulf #1
NW¹/₄ Section 8, T 25N, R3W
Rio Arriba County, New Mexico

An Archaeological Clearance Survey of
The Schalk Gulf #1 Well Location and Access Road
Conducted for John E. Schalk

Dabney Ford

Report 79-SJC-087
of the
Cultural Resource Management Program
San Juan Campus
New Mexico State University

28 May 1979

Report 79-SJC-087
Permit No. 78-NM-102

An Archaeological Clearance Survey of
The Schalk Gulf #1 Well Location and Access Road
Conducted for John E. Schalk

Dabney Ford
Cultural Resource Management
San Juan Campus
N.M. State University

28 May 1979

An Archaeological Clearance Survey of
The Schalk Gulf #1 Well Location and Access Road
Conducted for John E. Schalk

On May 14, 1979, Dabney Ford from Cultural Resource Management, New Mexico State University, San Juan Branch, conducted an archaeological clearance survey at the request of Mr. Steve Schalk from Schalk Production Company. Present during the inspections were Mr. Schalk, and Mr. Cecil Tulley and Mr. Dave Browning from San Juan Engineering. The proposed well and access road are on Fee Surface--Federal Minerals Lands and surveyed under Federal Antiquities Permit No. 78-NM-102.

METHODOLOGY

The location was surveyed by walking parallel transects, 75 feet apart, over the entire 300 X 300 foot easement. The road was inspected by walking the length of the flagged route from take-off to the well.

GENERAL RECOMMENDATIONS

No cultural resources warranting avoidance were found on the location or road and full archaeological clearance is recommended.

SCHALK GULF #1

Land Status: Fee Surface--Federal Minerals

Location: The location is in the NE $\frac{1}{4}$ of the SW $\frac{1}{4}$ of the NW $\frac{1}{4}$ of Section 8, Township 25 North; Range 3 West, N.M.P.M., Rio Arriba County, New Mexico. The well will be 1850 feet from the north line and 1190 feet from the west line of Section 8. See Figure 1.

Access: 150 feet long and 20 feet wide approaching the well from the east.

Area Surveyed: 2.13 acres

Terrain: Rolling ridge slope and top with southerly drainage, alluvial surface deposits, and sandstone outcrops.

Soil: Sandy clay loam

Vegetation: Juniper, pinon, sagebrush, blue grama, snakeweed, Indian ricegrass, galleta, lupine, three awn, wild celery, western wheat grass, winterfat, prickly pear, bitterbrush, serviceberry, mountain mahogany

Cultural Resources: A hearth was found 50 feet northeast of the well stake. Associated with the hearth were one quartzite cobble mano and several tin cans (one beverage, one meat). The hearth, 3 feet in diameter, is very apparent on the surface with large fragments of charcoal. Judging from the condition of the hearth and the associated artifacts, it appears to be a recent (1960's) sheep herder's or hunter's fire. It was felt that this cultural resource is of limited significance and does not require avoidance. Although no stipulations were made, the company has agreed to notify the archaeologist when the location is built, and the author will be present to check for subsurface cultural materials.

Recommendations: Full archaeological clearance is recommended.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Form Approved.
Budget Bureau No. 42-R1424

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 Form 9-331-C for such proposals.)

1. oil ☐ well gas ☒ well other

2. NAME OF OPERATOR

SCHALK DEVELOPMENT COMPANY

3. ADDRESS OF OPERATOR

P.O. BOX 25825 / ALBUQUERQUE, NM 87125

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.) 1850' FNL, 1190' FWL

AT SURFACE:

AT TOP PROD. INTERVAL:

AT TOTAL DEPTH:

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:

SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF ☐

FRACTURE TREAT ☐

SHOOT OR ACIDIZE ☐

REPAIR WELL ☐

PULL OR ALTER CASING ☐

MULTIPLE COMPLETE ☐

CHANGE ZONES ☐

ABANDON* ☐

(other) Drilling ☒

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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.)*

9/6/79 Ran 10 joints (309') 8-5/8" 24# surface casing. Set @ 322.50'. Cemented with 225 sxs. class 'B' cement. Plug down @ 3:00 a.m.

9/7/79 Drilling 7-7/8" hole @ approximately 1100'.

5. LEASE

SF 080566-A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Schalk 41

9. WELL NO.

#2A

10. FIELD OR WILDCAT NAME

Blanco Mesa Verde

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA

Sec. 8, T25N, R3W

12. COUNTY OR PARISH

Rio Arriba

13. STATE

New Mexico

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)

7186'

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

Subsurface Safety Valve: Manu. and Type

Set @ Ft.

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

SIGNED

TITLE Managing Partner

DATE

September 10, 1979

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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 Form 9-331-C for such proposals.)

1. oil well ☐ gas well ☒ other

2. NAME OF OPERATOR
SCHALK DEVELOPMENT COMPANY

3. ADDRESS OF OPERATOR
P. O. BOX 25825 / ALBUQ., NM 87125

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.) 1850' FNL, 1190' FWL
AT SURFACE:
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO: SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF	<input type="checkbox"/>	<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>	<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>	<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>	<input type="checkbox"/>
PULL OR ALTER CASING	<input type="checkbox"/>	<input type="checkbox"/>
MULTIPLE COMPLETE	<input type="checkbox"/>	<input type="checkbox"/>
CHANGE ZONES	<input type="checkbox"/>	<input type="checkbox"/>
ABANDON*	<input type="checkbox"/>	<input type="checkbox"/>
(other) DRILLING	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

5. LEASE

SF 080566-A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

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Schalk 41

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12. COUNTY OR PARISH 13. STATE

Rio Arriba New Mexico

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)

7186'

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

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.)*

9/16/79 Ran 194 jts. (6166') 4-1/2" 10.5# casing set @ 6162' KBM. Cemented first stage with 175 sacks Howco Light Weight, Class 'B' (12-1/2" Gilsonite per sxs.); Second Stage with 170 sxs. 50/50 Posmix Class 'B' (2% Gel, 6-1/4" Gilsonite, 7# Salt per sx.)

9/17/79 Plug down 2:30 a.m. float insert @ 6138'.

Completion scheduled for the end of September, 1979.

Subsurface Safety Valve: Manu. and Type

Set @

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

SIGNED [Signature] TITLE Managing Partner DATE 9/20/79

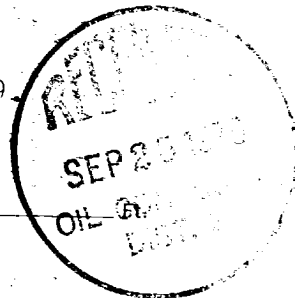
(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:



SEP 24 1979