

30-045-21656

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

Walter Duncan

3. ADDRESS OF OPERATOR

Box 234, Farmington, New Mexico 87401

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*

At surface

1900' FSL — 620' FWL

At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

8 miles east southeast of Shiprock, New Mexico

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drlg. unit line, if any)

620'

16. NO. OF ACRES IN LEASE

659.04

17. NO. OF ACRES ASSIGNED
TO THIS WELL

40 2-1/2

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

330' approx

19. PROPOSED DEPTH

720'

20. ROTARY OR CABLE TOOLS

Cable tool surface casing
Rotary btm surface csq to TD

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

5000' GR

22. APPROX. DATE WORK WILL START*

1-24-75

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
9"	7"	20#	30'	5 SX
6-1/4"	4-1/2"	10.5#	700'	75 SX

1. Drive 7" casing thru boulders and cement with 5 sx cement.
2. Drill 6-1/4" hole to top of Dakota sand at approximately 700'.
3. Run 4-1/2" casing and cement to surface with 75 sx cement.
4. Drill 3-7/8" hole below 4-1/2" casing to approximately 720'.
5. Complete well in open hole without stimulation of Dakota sand.
6. Run 2-3/8" tubing to 710'.

RECEIVED

JAN 8 1975

GEOLOGICAL SURVEY

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 Original signed by T. A. Dugan

TITLE Petroleum Engineer

DATE 1-6-75

Thomas A. Dugan

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

**NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT**

Form O-100
Supersedes O-128
Effective 1-1-65

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

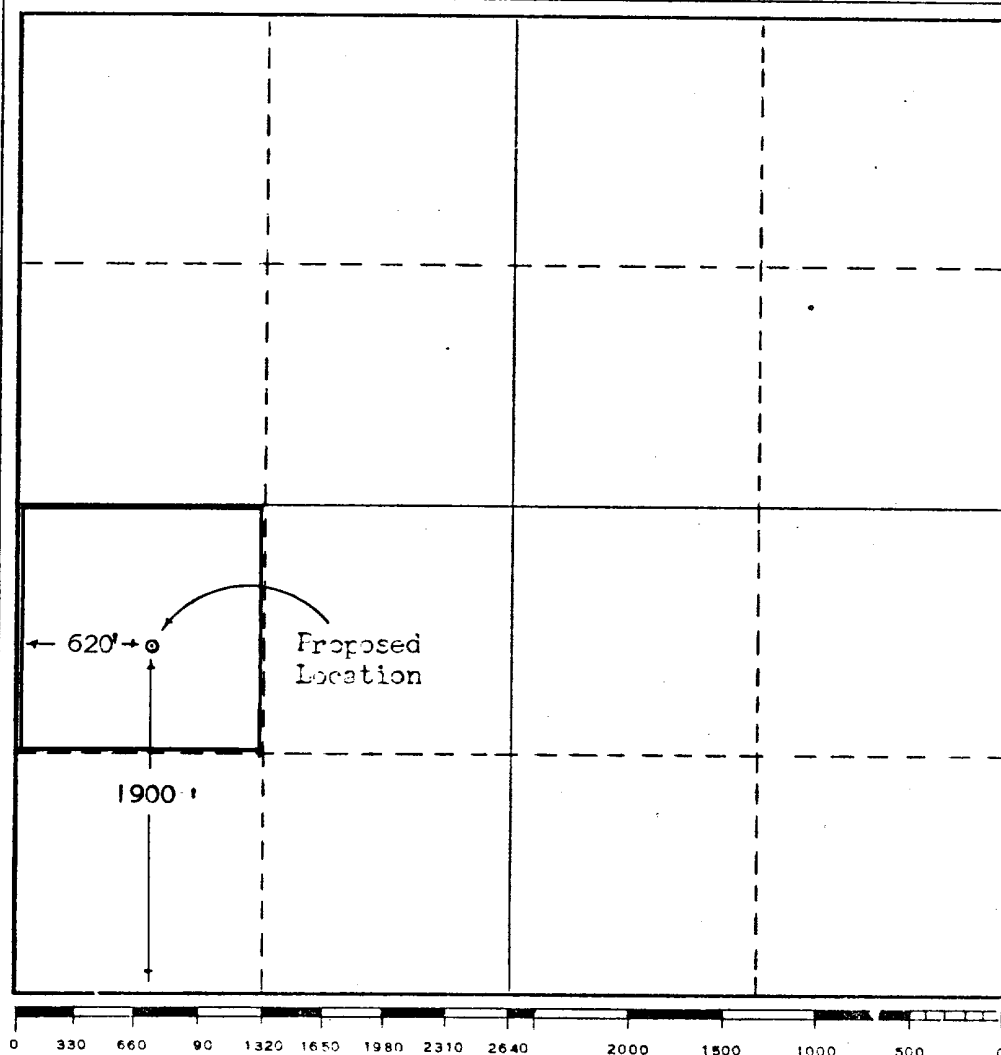
Operator Walter Duncan			Lease North Hogback 6		Well No. 8-6
Unit Letter L	Section 6	Township 27 North	Range 16 West	County San Juan	
Actual Footage Location of Well: 1900 feet from the South line and 700 620 feet from the West line					
Ground Level Elev. 5000'	Producing Formation Dakota		Pool Slickrock		Dedicated Acreage: 40

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.

Original signed by **T. A. Dugan**

Name
Thomas A. Dugan
Position
Petroleum Engineer
Company
Walter Duncan
Date
1-6-75

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

December 27, 1974

Date Surveyed
December 27, 1974
Registered Professional Engineer and Professional Surveyor
<i>Frederick H. Kuhl</i>
Certificate No.
2795

Form 6-377
(May 1963)UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYSUBMIT IN TRIPLICATE*
(Other instructions on reverse side)Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

14-20-0603-10008

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Navajo Tribe

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

North Hogback 6

9. WELL NO.

6

10. FIELD AND POOL, OR WILDCAT

Slickrock - Dakota

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

Sec. 6, T29N, R16W

12. COUNTY OR PARISH

San Juan

13. STATE

NM

1. OIL WELL ☒ GAS WELL ☐ OTHER ☐

2. NAME OF OPERATOR

Walter Duncan

3. ADDRESS OF OPERATOR

Box 234, Farmington, New Mexico 87401

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*

See also space 17 below.)

At surface

1900' FSL -- 620' FWL

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

5000' GR

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐FRACTURE TREAT ☐SHOOT OR ACIDIZE ☐REPAIR WELL ☐(Other) ☐PULL OR ALTER CASING ☐MULTIPLE COMPLETE ☐ABANDON* ☐CHANGE PLANS ☐

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☒FRACTURE TREATMENT ☐SHOOTING OR ACIDIZING ☐(Other) ☐REPAIRING WELL ☐ALTERING CASING ☐ABANDONMENT* ☐

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

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.)*

Millikin Drilling Company set surface csg through boulders at 20', drilled 5' below csg, and cemented with 5 sx to surface.

4-17-75

Depth 672'. Drilled to 672'. Ran electric log by Go International - logger's TD 671'. Ran 20 jts 4-1/2" OD 9.5# 8R KCW csg. TE 674.86' set at 672' GR cemented by Dowell with 75 sx Class "B" cement. Good mud returns while cementing - cement circulated. Max cementing pressure 500 psi. Bumped plug with 1000 psi. Left shut in overnight. POB 3:40 PM 4-16-75.

4-18-75

Cut off 4-1/2" csg and welded on 4-1/2" slip on cplg. Picked up 3-7/8" bit on 2-3/8" tbg. Blew hole down and dried hole. Drilled cementing plug and guide shoe. Drilled 7' hole before getting show. Drilled 5' pay zone blowing spray oil from hole last 3'. (TD 684' - open hole from 672-684'.) Pulled bit and ran 22 jts 2-3/8" OD 4.7# 8R EUE "B" condition csg. TE 679.63' set at 678' GR. Job complete 3:00 PM 4-17-75.

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

SIGNED

Jim L. Jacobs

TITLE

Geologist

(This space for Federal or State office use)

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE
APR 30 1975

*See Instructions on Reverse Side

|||
= dp = dungan production corp.
|||

April 25, 1975

Mr. Emery C. Arnold
N. M. Oil Conservation Commission
1000 Rio Brazos Road
Aztec, New Mexico 87410

Re: Walter Duncan
North Hogback 6 #6
1900' FSL - 620' FWL
Sec. 6, T29N, R16W
San Juan County, New Mexico

Dear Emery:

This is to certify that deviation tests were run on the captioned well
and the following is a true report of those tests:

1/4⁰ - 442'

Sincerely,

DUGAN PRODUCTION CORP.

Jim L. Jacobs
Jim L. Jacobs



State of New Mexico) ss
County of San Juan)

Subscribed and sworn to before me this 29th day of April, 1975.

Dorothy J. Winer
Notary Public

My commission expires November 5, 1978.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE*

(See other in-
structions on
reverse side)Form approved.
Budget Bureau No. 42-R355.5.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1a. TYPE OF WELL: OIL WELL ☒ GAS WELL ☐ DRY ☐ Other _____

b. TYPE OF COMPLETION:

NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other _____

2. NAME OF OPERATOR

Walter Duncan

3. ADDRESS OF OPERATOR

Box 234, Farmington, NM 87401

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*

At surface

1900' FSL - 620' FWL

At top prod. interval reported below

At total depth

14. PERMIT NO.

DATE ISSUED

15. DATE SPUDDED

4-5-75

16. DATE T.D. REACHED

4-16-75

17. DATE COMPL. (Ready to prod.)

4-17-75

18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*

5000' GR

19. ELEV. CASINGHEAD

5000' GR

20. TOTAL DEPTH, MD & TVD

684'

21. PLUG, BACK T.D., MD & TVD

22. IF MULTIPLE COMPL., HOW MANY*

23. INTERVALS DRILLED BY

ROTARY TOOLS

CABLE TOOLS

25-684'

0-25'

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*

Open hole 672-684'

25. WAS DIRECTIONAL SURVEY MADE

No

26. TYPE ELECTRIC AND OTHER LOGS RUN

Electric Log

27. WAS WELL CORED

No

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	AMOUNT PULLED
7"	20#	20'	9"	None
4-1/2"	9.5#	672'	6-1/4"	None

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2-3/8"	678'	None

31. PREPARATION RECORD (Interval, size and number)

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED

33.*

PRODUCTION

DATE FIRST PRODUCTION

4-18-75

PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)

Flowing

WELL STATUS (Producing or shut-in)

Producing

DATE OF TEST

4-19-75

HOURS TESTED

24

CHOKER SIZE

PROD'N. FOR TEST PERIOD

→

OIL—BBL.

7

GAS—MCF.

TSTM

WATER—BBL.

-0-

GAS-OIL RATIO

TSTM

FLOW. TUBING PRESS.

CASING PRESSURE

CALCULATED 24-HOUR RATE

→

OIL—BBL.

7

GAS—MCF.

TSTM

WATER—BBL.

-0-

OIL GRAVITY-API (CORR.)

58°

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

TEST WITNESSED BY

Jim L. Jacobs

35. LIST OF ATTACHMENTS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED

Jim L. Jacobs

TITLE

Geologist

DATE

5-22-75

*(See Instructions and Spaces for Additional Data on Reverse Side)

NEW MEXICO OIL CONSERVATION COMMISSION
REQUEST FOR ALLOWABLE
AND
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GASForm C-104
Supersedes Old C-104 and C-110
Effective 1-1-65

NO. OF COPIES RECEIVED	1
DISTRIBUTION	
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U.S.G.S.	
LAND OFFICE	
TRANSPORTER	OIL /
	GAS
OPERATOR	/
PRORATION OFFICE	

I. Operator
Walter Duncan

Address
Box 234, Farmington, NM 87401

Reason(s) for filing (Check proper box) Other (Please explain)

New Well ☒ Change in Transporter of:
Recompletion ☐ Oil ☐ Dry Gas ☐
Change in Ownership ☐ Casinghead Gas ☐ Condensate ☐

If change of ownership give name
and address of previous owner

II. DESCRIPTION OF WELL AND LEASE

Lease Name North Hogback 6	Well No. 6	Pool Name, Including Formation Slickrock Dakota	Kind of Lease State, Federal or Fee Indian	Lease No. 14-20-
Location Unit Letter L ; 1900 Feet From The South Line and 620 Feet From The West			0603-10008	
Line of Section 6 Township 29N Range 16W , NMPM,			San Juan County	

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil <input checked="" type="checkbox"/> or Condensate <input type="checkbox"/> Inland Corporation	Address (Give address to which approved copy of this form is to be sent) Box 1528, Farmington, NM 87401					
Name of Authorized Transporter of Casinghead Gas <input type="checkbox"/> or Dry Gas <input type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)					
If well produces oil or liquids, give location of tanks.	Unit	Sec.	Twp.	Rge.	Is gas actually connected?	When

If this production is commingled with that from any other lease or pool, give commingling order number:

IV. COMPLETION DATA

Designate Type of Completion - (X)	Oil Well <input checked="" type="checkbox"/>	Gas Well	New Well <input checked="" type="checkbox"/>	Workover	Deepen	Plug Back	Recompletion	Diff. Res'v.
Date Spudded 4-5-75	Date Compl. Ready to Prod. 4-17-75		Total Depth 684'		P.B.T.D.			
Elevations (DF, RKB, RT, GR, etc.) 5000' GR	Name of Producing Formation Dakota		Top Oil/Gas Pay 671'		Tubing Depth 678'			
Perforations Open hole 672-684'					Depth Casing Shoe 672'			
TUBING, CASING, AND CEMENTING RECORD								
HOLE SIZE	CASING & TUBING SIZE		DEPTH SET		SACKS CEMENT			
9"	7"		20'		5 SX			
6-1/4"	4-1/2"		672'		75 SX			
	2-3/8"		678'					

V. TEST DATA AND REQUEST FOR ALLOWABLE OIL WELL (Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours)

Date First New Oil Run To Tanks 4-18-75	Date of Test 4-19-75	Producing Method (Flow, pump, gas lift, etc.) Flowing	
Length of Test 24 hrs	Tubing Pressure ---	Casing Pressure ---	Choke Size ---
Actual Prod. During Test 7 bbls	Oil - Bbls. 7	Water - Bbls. -0-	Gas - MCF TSTM

GAS WELL

Actual Prod. Test - MCF/D	Length of Test	Bbls. Condensate/MMCF	Gravity of Condensate
Testing Method (pitot, back pr.)	Tubing Pressure (shut-in)	Casing Pressure (shut-in)	Choke Size

VI. CERTIFICATE OF COMPLIANCE

I hereby certify that the rules and regulations of the Oil Conservation Commission have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

Jim R. Jacobs
(Signature)

Geologist

(Title)

5-22-75

(Date)

OIL CONSERVATION COMMISSION

APPROVED

MAY 27 1975

By Original Signed by A. R. Kendrick
PETROLEUM ENGINEER DIST. NO. 3

TITLE

This form is to be filed in compliance with RULE 1104.

If this is a request for allowable for a newly drilled or deepened well, this form must be accompanied by a tabulation of the deviation tests taken on the well in accordance with RULE 111.

All sections of this form must be filled out completely for allowable on new and recompleted wells.

Fill out only Sections I, II, III, and VI for changes of owner, well name or number, or transporter, or other such change of condition.

Separate Forms C-104 must be filed for each pool in multiply completed wells.