

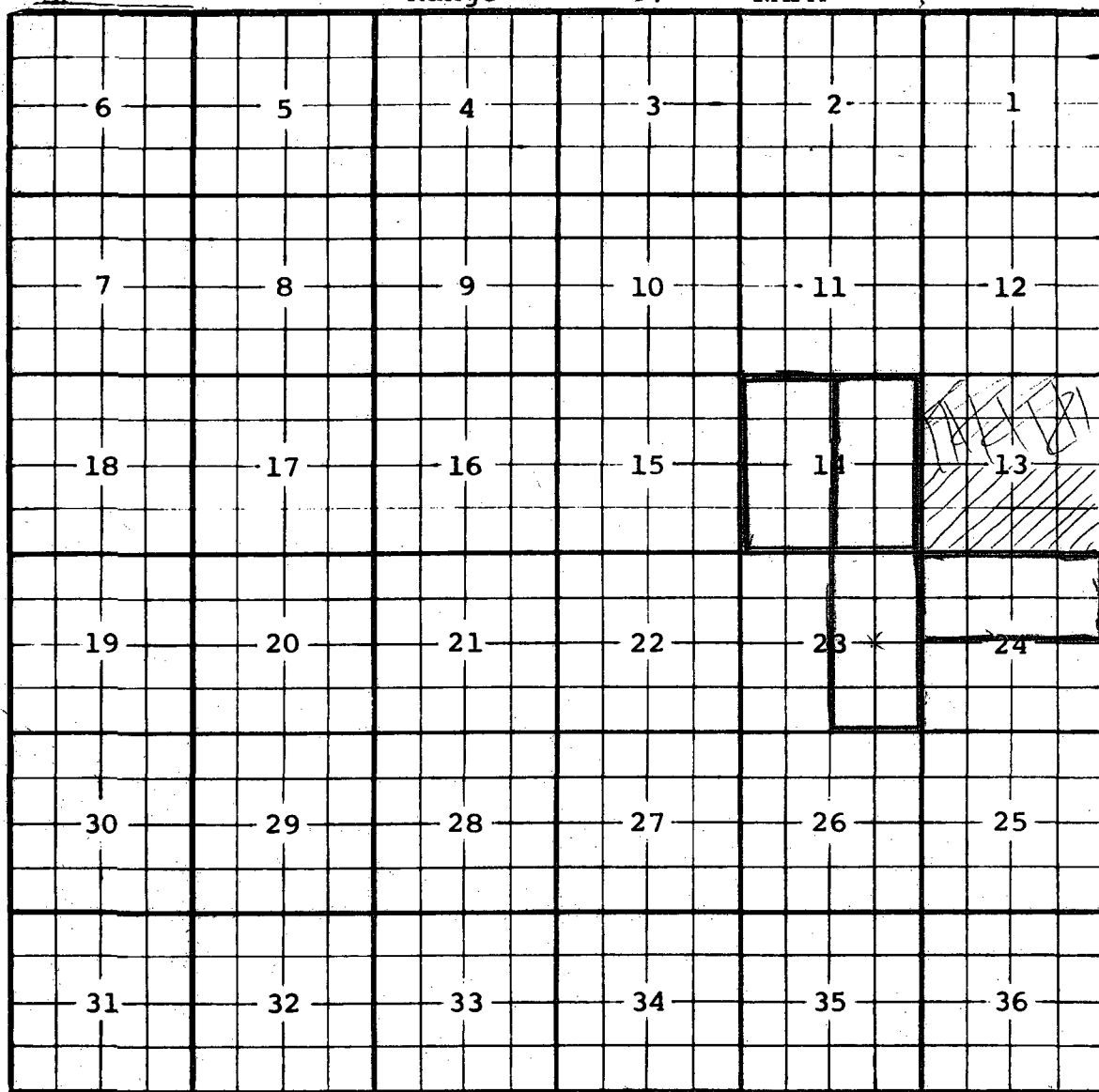
County Eddy

Pool West Indian Basin - Morrow Gas

TOWNSHIP 21 South

Range 22 East

NMPM



Description: $\frac{E}{2}$ Sec 14 (R-5609, 1-1-78)

Ext: $\frac{E}{2}$ Sec 23 (R-5987, 4-1-79) Ext: $\frac{W}{2}$ Sec. 14 (R-6170, 11-1-79)

Ext: $\frac{W}{2}$ Sec. 24 (R-6476-10-1-80)

N.M.O.C.D. COPY

SUBMIT IN "LEGATE"
(Other instructions on
reverse side)

Form approved.
Budget Bureau No. 42 R1425.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

30-015-23130

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

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

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

2. NAME OF OPERATOR
Durham, Inc. JAN 16 1980 RECEIVED

3. ADDRESS OF OPERATOR
219 S. Colorado ARTESIA, OFFICE DEC 14 1979

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)
At surface 1980' FNL & 660' FWL
At proposed prod. zone same

5. LEASE DESIGNATION AND SERIAL NO.
NM 038447

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
Stinking Draw Federal

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Indian Basin, NM (Morro)

9. WELL NO.
1

10. FIELD AND POOL, OR WILDCAT
Indian Basin, NM (Morro)

11. SEC., T., R., M., OR BLM. AND SURVEY OR AREA
Sec. 13, T-21-S, R-22-E

12. COUNTY OR PARISH
Eddy

13. STATE
NM

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
27 miles NW of Carlsbad, NM

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

16. NO. OF ACRES IN LEASE
400

17. NO. OF ACRES ASSIGNED TO THIS WELL
320

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

19. PROPOSED DEPTH
9,400

20. ROTARY OR CABLE TOOLS
Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
4087' GR

22. APPROX. DATE WORK WILL START*
1-1-80

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
15"	13 3/8"	35#	650'	See Reverse
11"	12 3/4"	24#	2000'	" "
7-7/8"	8-5/8"	17#	9400'	" "

Mud Program:

Interval	Type Mud	Weight(ppg)	Viscosity(sec)	Wtr Loss(cc)
0-650'	Fresh spud mud	8.4-8.9	36-42	NC
650-2000'	Fresh wtr & LCM	8.8-9.4	28-36	NC
2000-6500'	FW + Lime & LCM	8.6-9.0	27	NC
6500-7500'	FW + 3% KCl	8.8-9.0	28	NC
7500-TD	FW + Seamud, gel & starch	9.0-9.6	34-42	6-8

BOP Program: See Exhibit C

Dedication: Gas is not dedicated.

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 [Signature] TITLE Exploration Manager DATE 12/12/79
(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE 1-14-80
APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

Instructions

General: This form is designed for submitting proposals to perform certain well operations, or operations on all types of lands and leases for appropriate a well, either a Federal or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued, or may be obtained from, the local Federal and/or State office.

Item 1: If the proposal is to re-fill to the same reservoir at a different subsurface location or to a new reservoir, use this form with appropriate notations. Consult applicable State or Federal regulations concerning subsequent work proposals or reports on the well.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 14: Needed only when location of well cannot readily be found by road from the land or lease description. A plat, or plats, separate or on this reverse side, showing the roads to, and the surveyed location of, the well, and any other required information, should be furnished when required by Federal or State agency offices.

Items 15 and 18: If well is to be, or has been, directionally drilled, give distances for subsurface location of hole in any present or objective production area.

★ U.S. GOVERNMENT PRINTING OFFICE: 1974-781-025/V111-239

Cementing Program:

12-3/4" casing	335 sx Class C + 2% CaCl ₂ -Cement will circulate.
8-5/8" casing	325 sx HLC + 18% salt + 1/2#/sx Floseal followed by 200 sx Class C + 2% CaCl ₂ + 1/4#/sx Floseal (if circulation maintained, will run fluid caliper and adjust cement volumes accordingly). Cement will circulate.
5 1/2" casing	450 sx Class H 50/50 Poz + 3#/sx KCl + 1/4% CFR-2 (volume to be adjusted based on wireline caliper)

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-10,
Supersedes C-12A
Effective 1-1-65

All distances must be from the outer boundaries of the Section

DURHAM, INC. Stinking Draw Fed. 1

12 21 South 22 East Eddy

1920 feet from the North 660 feet from the West

4087.0 Morrow *and* Indian Basin, W. (Morrow) 320

Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.

RECEIVED

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).

JAN 16 1980

1 If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communization, unitization, forced-pooling, etc?

ARTESIA, OFFICE

☒ 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 communization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.

RECEIVED

DEC 14 1979

U.S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO

CERTIFICATION

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

Peter Michelson

Exploration Manager

Durham, Inc.

December 12, 1979

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.

John W. West

December 3, 1979

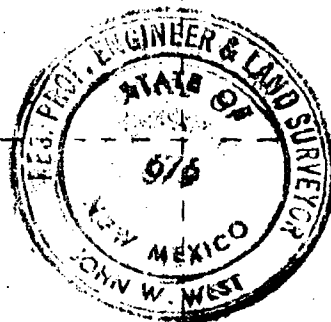
Registration No. _____
and County of _____

John W. West

Certificate No. John W. West 676
Ronald J. Edson 1244

Harvard & LeMay Expl. Co.
60% WI
Bixco- 25% WI
Durham, Inc.- 15% WI
USA- RI

320 ac.



330 880 00 1320 1680 1980 2310 2640 2000 1800 1000 800

Form 9-33
(May 1963)

FEB 18 1980

UNITED STATES

SUBMIT IN TRIPPLICATE*
(Other instructions on reverse side)Form approved,
Budget Bureau No. 42 R1424.

O. C. D. DEPARTMENT OF THE INTERIOR

ARTESIA, OFFICE

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 "APPLICATION FOR PERMIT" for such proposals.)

1. OIL WELL ☐ GAS WELL ☒ OTHER ☐		7. UNIT AGREEMENT NAME	
2. NAME OF OPERATOR DURHAM, INC. ✓		8. FARM OR LEASE NAME Stinking Draw Fed	
3. ADDRESS OF OPERATOR 219 S. Colorado, Midland, Texas 79702		9. WELL NO. 1	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface Unit E, 1980' from North Line & 660' from West line. Sec. 13, T21S, R22E, Eddy County, NM		10. FIELD AND POOL, OR WILDCAT Indian Basin, (Morrow)	
14. PERMIT NO.		15. ELEVATIONS (Show whether DF, RT, CR, etc.) 4087' GR	
		12. COUNTY OR PARISH Eddy	
		13. STATE New Mexico	

RECEIVED

FEB 13 1980

U.S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICOW 2
West

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) Commence Drilling & Casing

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

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

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.) *

1. Spud 0430 hrs, MST, 1-27-80, with 17-1/2" bit.
2. Drilled to 640' with 17-1/2" hole, ran 16 joints 13-3/8", 68#, K-55, ST&C, casing set at 640', cemented with 400 Sx Class C with 1/4# Flocele, 2% CaCl₂, followed by 250 sx Class C, with 2% CaCl₂, circ. 212 Sx to pit, WOC 24 hrs, tested casing to 800#, held Okey 1-30-80. Tested²BOP to 800#, held Okey. Plug down 0130 hr MST, 1-30-80.
3. Drilled to 2023' with 12-1/4" bit, ran 46 joints 8-5/8", 24#, K-55, ST&C, casing set at 2023', cemented with 800 Sx Halliburton Lite cement with 10# Gilsonite, plus 1/4# Flocele, followed by 200 Sx Class C, 2% CaCl₂. Circ. 290 Sx to pit, WOC 24 hours, tested casing to 800#, held Okey, 2-3-80. Plug down 1030 hrs, MST, 2-3-80.
4. Casing Program amendment approved to run 13-3/8" surface, approved 1-11-80, by George Stewart, Acting District Engineer, Artesia, N.M.
5. Size of Hole amendment approved 12-1/4" for 650'-2000'. Approved by George Stewart Acting District Engineer, Artesia, N.M.
6. Drilling with 7-7/8" bit.

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

SIGNED Milton Brumley

TITLE Production Supt.

DATE 2-12-80

(This space for Federal or State office use)

(Orig. Sgd.) GEORGE H. STEWART

ACTING DISTRICT ENGINEER

APPROVED BY
CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE FEB 15 1980

COPIED COPY - ITEM 37
N.M.O.C.D. COPYUNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE*

(See other In-
structions on
reverse side)Form approved.
Budget Bureau No. 42-R365.6.

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 ☐	REPERFORATE ☐	PLUG BACK ☐	DIFF. PERFOR. ☐	Other		
2. NAME OF OPERATOR		Durham, Inc. ✓							
3. ADDRESS OF OPERATOR		219 S. Colorado, Midland, Texas 79701							
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*		At surface 1980' FNL & 660' FWL At top prod. interval reported below At total depth							
14. PERMIT NO.		DATE ISSUED 2-13-80							
15. DATE SPUDDED		16. DATE T.D. REACHED		17. DATE COMPL. (Ready to prod.)		18. ELEVATIONS (DF, EKB, ET, OR, ETC.)*		19. ELEV. CASINGHEAD	
1-27-80		3-7-80		N.A.		4170' GR; 4182' KB			
20. TOTAL DEPTH, MD & TVD		21. PLUG, BACK T.D., MD & TVD		22. IF MULTIPLE COMPL., HOW MANY*		23. INTERVALS DRILLED BY		24. WAS DIRECTIONAL SURVEY MADE	
9710'		N.A.		N.A.		0-TD		NO	
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*		N.A.					27. WAS WELL CORED		
							NO		
28. TYPE ELECTRIC AND OTHER LOGS RUN		Simultaneous Dual Laterolog Micro-SFL & Simultaneous Compensated Neutron-Formation Density					27. WAS WELL CORED		
							NO		
29. CASING RECORD (Report all strings set in well)									
CASING SIZE		WEIGHT, LB./FT.		DEPTH SET (MD)		HOLE SIZE		CEMENTING RECORD	
13-3/8"		68#		640'		17-1/2"		400 sx Class C + 1/4# Flocela + 2% CaCl ₂	
8-5/8"		24#		2023'		12-1/4"		250 sx Class C + 2% CaCl ₂	
								800 sx HL + 10# Gil + 1/4# Flocela; 200sx Class C + 2% CaCl ₂	
30. LINER RECORD									
SIZE		TOP (MD)		BOTTOM (MD)		SACKS CEMENT*		SCREEN (MD)	
31. TUBING RECORD									
SIZE		DEPTH SET (MD)		PACKER SET (MD)					
32. PERFORATION RECORD (Interval, size and number)									
INTERVAL (MD)		AMOUNT AND KIND OF MATERIAL USED							
33. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.									
INTERVAL (MD)		AMOUNT AND KIND OF MATERIAL USED							
34. DATE FIRST PRODUCTION									
PRODUCTION METHOD (Flowing, gas lift, pumpjack, etc. and type of pump)		WELL STATUS (Producing or shut-in)							
DATE OF TEST		HOURS TESTED		CHOKE SIZE		TEST PERIOD		OIL—BBL.	
								GAS—MCF.	
								WATER—BBL.	
								GAS-OIL RATIO	
FLOW. TUBING PRESS.		CASING PRESSURE		CALCULATED 24-HOUR RATE		OIL—BBL.		GAS—MCF.	
								WATER—BBL.	
								OIL GRAVITY-API (CORR.)	
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)		TEST WITNESSED BY							
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		Milton Brumley		TITLE		Production Supt.		DATE 3-18-80	

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

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 83, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 19: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.

Items 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 83. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Geologic Column". Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

Item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

Strawn
Strawn

N.M.O.C.D. COPY
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
SUBMIT IN DUPLICATE*
(See other instructions 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 Durham, Inc.						MAR 12 1980	
3. ADDRESS OF OPERATOR 219 S. Colorado, Midland, Texas 79701						U.S. GEOLOGICAL SURVEY ARTESIA, NEW MEXICO	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 1980' FNL & 660' FWL At top prod. interval reported below At total depth						10. FIELD AND POOL, OR WILDCAT Indian Basin, (Morrow)	
14. PERMIT NO.						DATE ISSUED 2-13-80	
15. DATE SPUDDED 1-27-80		16. DATE T.D. REACHED 3-7-80		17. DATE COMPL. (Ready to prod.) P & H N.A.		18. ELEVATIONS (DF, RKB, RT, OR, ETC.)* 4170' GR; 4182' KB	19. ELEV. CASINGHEAD
20. TOTAL DEPTH, MD & TVD 9710'		21. PLUG, BACK T.D., MD & TVD N.A.		22. IF MULTIPLE COMPL., HOW MANY* N.A.		23. INTERVALS DRILLED BY 0-TD	
24. PRODUCING INTERVAL(S), OF THIS COMPLETION--TOP, BOTTOM, NAME (MD AND TVD)* N.A.						25. WAS DIRECTIONAL SURVEY MADE NO	
26. TYPE ELECTRIC AND OTHER LOGS RUN Simultaneous Dual Laterolog Micro-SFL & Simultaneous Compensated Neutron-Formation Density						27. WAS WELL CORED NO	
28. CASING RECORD (Report all strings set in well)							
CASING SIZE		WEIGHT, LB./FT.		DEPTH SET (MD)		HOLE SIZE	
13-3/8"		68#		640'		17-1/2"	
8-5/8"		24#		2023'		12-1/4"	
CEMENTING RECORD		AMOUNT PULLED					
400 sx Class C + 1/4# Floccle + 2% CaCl ₂		None					
250 sx Class C + 2% CaCl ₂		None					
800 sx HL + 10# Gil + 1/4# Floccle; 200SX Class C + 2% CaCl ₂		None					
29. LINER RECORD							
SIZE		TOP (MD)		BOTTOM (MD)		SACKS CEMENT*	
SCREEN (MD)		TUBING RECORD					
SIZE		DEPTH SET (MD)		PACKER SET (MD)			
31. PERFORATION 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		PRODUCTION METHOD (Flowing, gas lift, pumping--size and type of pump)				WELL STATUS (Producing or shut-in)	
DATE OF TEST		HOURS TESTED		CHOKE SIZE		PROD'N. FOR TEST PERIOD	
FLOW. TUBING PRESS.		CASING PRESSURE		CALCULATED 24-HOUR RATE		OIL--BBL.	
						GAS--MCF.	
						WATER--BBL.	
						OIL GRAVITY-API (CORR.)	
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)						TEST WITNESSED BY	
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 <i>William B. Bunkley</i>				TITLE Production Supt.		DATE 3-11-80	

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

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 33.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments. **Items 22 and 24:** If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

Item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

37. SUMMARY OF POROUS ZONES

SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	38. GEOLOGIC MARKERS		
				NAME	MEAS. DEPTH	TRUE VERT. DEPTH
Morrow	8217'	9170'	DST #1 8800'-8888' - Open 1 hr 30 min IHP 4665; IFP 227-253; 30 min ISIP 1260; FFP 202-227; 120 min FSIP 2038; FHP 4588. Rec 360' Drlg Mud.	Abo	2876'	
				Wolfcamp	5298'	
				Wolfcamp	5772'	
				(Dolomite)		
Morrow				Cisco	6728'	
				Canyon	7211'	
Strawn				Strawn	8067'	
				Atoka	8458'	
			DST #2 - 8936'-TD - failed.	Morrow	8746'	
			DST #3 - 8217'-8269' - failed.	Lower Morrow	8987'	
Strawn			DST #4 - 8222'-8274' - failed.	Chester	9089'	

N.M.O.C.D. COPY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYSUBMIT IN TRIPPLICATE*
(Other instructions on re-
verse side)Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

NM 038447

RECEIVED

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

APR 28 1980

7. UNIT AGREEMENT NAME

O. C. D.

8. FARM OR LEASE NAME

ARTESIA, OFFICE

Stinking Draw Fed.

9. WELL NO.

1

10. FIELD AND POOL, OR WILDCAT

Indian Basin (Morrow)

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

Sec 13, T21S, R22E

12. COUNTY OR PARISH

Eddy

13. STATE

N.M.

1. OIL WELL ☐ GAS WELL ☒ OTHER DRY HOLE
2. NAME OF OPERATOR DURHAM, INC. ✓
3. ADDRESS OF OPERATOR 219 S. Colorado, Midland, Texas 79701
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
See also space 17 below.)
At surface
Unit E, 1980' FNL & 660 FWL, Sec 13, T21S, R22E,
Eddy County, New Mexico

MAR 12 1980

U.S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO

14. PERMIT NO.

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

GR 4170'

KB 4182'

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

☐
☐
☐
☐

PULL OR ALTER CASING

☐
☐
☒
☐

FRACTURE TREAT

MULTIPLE COMPLETE

SHOOT OR ACIDIZE

ABANDON*

REPAIR WELL

CHANGE PLANS

(Other)

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

☐
☐
☐
☐

REPAIRING WELL

☐
☐
☐
☐

FRACTURE TREATMENT

ALTERING CASING

SHOOTING OR ACIDIZING

ABANDONMENT*

(Other)

(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.)*

Propose to set plugs as follows:

Plug #1 set @ 8825-8675'

#2 set @ 7275-7125'

#3 set @ 5375-5225'

#4 set @ 3750'-3600'

#5 set @ 2075-1975' - across bottom of intermediate

Set Dry Hole Marker w/15 sx cement.

Cement procedures w/b 100' minimum above 5000'; 150' minimum 5000'-10,000'

200' minimum below 10,000'. No plug w/b set w/less than 25 sx cement.

Verbal approval to plug given by Mr. Stall, U.S.G.S., Artesia, N.M.,
by telephone to Mr. Clay Osborne, Durham, Inc. on 3-10-80.

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

SIGNED

Milton Brunty

TITLE Production Supt.

DATE 3-10-80

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

Instructions

General: This form is designed for submitting proposals to perform certain well operations, and reports of such operations when completed, as indicated, on Federal and Indian lands pursuant to applicable Federal law and regulations, and, if approved or accepted by any State, on all lands in such State, pursuant to applicable State law and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 17: Proposals to abandon a well and subsequent reports of abandonment should include such special information as is required by local Federal and/or State offices. In addition, such proposals and reports should include reasons for the abandonment; data on any former or present productive zones, or other zones with present significant fluid contents not sealed off by cement or otherwise; depths (top and bottom) and method of placement of cement plugs; mud or other material placed below between and above plugs; amount, size, method of parting of any casing, liner or tubing pulled and the depth to top of any left in the hole; method of closing top of well; and date well site conditioned for final inspection looking to approval of the abandonment.

N.M.O.C.D. COPY
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPPLICATE
(Other instructions on
reverse side)

Form approved.
Budget Bureau No. 42-R1424.
5. LEAD DESIGNATION AND SERIAL NO.

NM 38447

RECEIVED

6. INDIAN, ALLOTTEE OR TRIBE NAME

SEP 9 1982

7. UNAGREEMENT NAME

O. C. D.

8. FIELD OR LEASE NAME

Stinking Draw Fed.

9. WELL NO.

1

10. FIELD AND POOL, OR WILDCAT

Indian Basin, (Morrow)

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

Sec 13, T21S, R22E

12. COUNTY OR PARISH

Eddy

13. STATE

N.M.

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 "APPLICATION FOR PERMIT" for such proposals.)

1. OIL WELL ☐ GAS WELL ☒ OTHER ☐ DRY HOLE

2. NAME OF OPERATOR
Durham, Inc.

MAR 12 1980

3. ADDRESS OF OPERATOR
219 S. Colorado, Midland, TX 79701
U.S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.
See also space 17 below.)
At surface

Unit E, 1980' FNL & 660' FWL, Sec 13, T21S, R22E,
Eddy County, New Mexico

14. PERMIT NO.

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

GR 4170'; KB 4182'

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

☐
☐
☐
☐
☐

FULL OR ALTER CASING

☐
☐
☐
☐
☐

FRACTURE TREAT

MULTIPLE COMPLETE

SHOOT OR ACIDIZE

ABANDON*

REPAIR WELL

CHANGE PLANS

(Other)

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

☐
☐
☐
☐
☐

REPAIRING WELL

ALTERING CASING

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

ABANDONMENT*

(Other)

(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 perti-
nent to this work.)*

Dry Hole.

Plug #1 set @ 8825-8675'
#2 set @ 7275-7125'
#3 set @ 5375-5225'
#4 set @ 3750-3600'
#5 set @ 2075-1975'

15 SX cement @ Surface
265 sx Class H

Verbal Approval to plug per telecon with Mr. Stall, U.S.G.S, Artesia, N.M.
on 3-10-80, to Clay Osborne, Durham, Inc.

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

SIGNED

TITLE Production Supt.

DATE 3-11-80

(This space for Federal or State office use)

APPROVED BY

TITLE

CONDITIONS OF APPROVAL, IF ANY:

APPROVED

*See Instructions on Reverse Side

SEP 8 1982

JAMES A. GILLHAM
DISTRICT SUPERVISOR

COUNTY EDDY FIELD Indian Basin, W. STATE NM
 OPR DURHAM, INC. API 30-015-23130
 NO 1 LEASE Stinking Draw Federal MAP
Sec 13, T21S, R22E CO-ORD
1980' FNL, 660' FWL of Sec 4-1-9 NM
19 mi SW/Lakewood SPD 1-27-80 CMP 3-11-80

CSG	WELL CLASS: INIT D FIN D ELE L & S			
	FORMATION	DATUM	FORMATION	DATUM
13 3/8" at 640' w/650 sx 3 5/8" at 2023' w/1000 sx				
	TD 9710' (CSTR)		PBD	

DRY & ABANDONED

CONTR Hondo OPRS ELEV 4170' GL, 4182' KWD 9400' RT

F.R. 12-24-79
 (Morrow)
 1-29-80 Drlg 650'
 2-6-80 Drlg 4040'
 2-13-80 Drlg 5914' lm, sh & sd
 2-20-80 Drlg 7395' sh
 2-27-80 TD 8185'; SDR
 3-17-80 TD 9710'; D&A
 DST (Morrow) 8800-88', open 1 hr 30 mins, rec
 360' DM, 30 min ISIP 1260#, FP 227-227#
 2 hr FSIP 2038#, HP 4665-4588#
 DST (Morrow) 8936-9000' mis-run
 DST-SP (Strawn) 8217-69' mis-run
 DST-SP (Strawn) 8222-74' mis-run
 3-31-80 TD 9710'; Dry & Abandoned
 LOG TOPS: Abo 2876', Wolfcamp 5298', Wolfcamp
 Dolomite 5772', Cisco 6728', Canyon 7211',
 Strawn 8067', Atoka 8458', Morrow 8746',
 4-1-9 NM

EDDY
DURHAM, INC.

Indian Basin, W.
1 Stinking Draw Federal

NM
Page 2

3-31-80

Continued
Lower Morrow 8987', Chester 9089'
LOGS RUN: DILL, MICL, CNL, FDC
BHT 154 deg

4-5-80

COMPLETION ISSUED

4-1-9 NM
IC 30-015-70388-79

Form 3160-3
(July 1992)

PLEASE EXPEDITE

N.M. Oil Cons. Div-Dist. 2

1301 W. Grand Avenue

Artesia, NM 88210

FORM APPROVED
OMB NO. 1004-0136
Expires: February 28, 1995

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

LEASE DESIGNATION AND SERIAL NO.

NM-110332 110333

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1A. TYPE OF WORK

DRILL ☐

DEEPEN ☐

REENTER X

B. TYPE OF WELL

OIL
WELL ☐

GAS
WELL ☒

OTHER

SINGLE
ZONE ☒

MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

PURE RESOURCES, L.P.

(KEN KRAWIETZ 432-498-2655)

3. ADDRESS AND TELEPHONE NO.

500 WEST ILLINOIS AVENUE MIDLAND, TEXAS 79701

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

At surface

1998' FNL & 604' FWL SEC. 13 T21S-E22E EDDY CO. NM

At proposed prod. zone SAME

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

Approximately 30 miles West Northwest of Carlsbad, New Mexico

15. DISTANCE FROM PROPOSED*

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

604

16. NO. OF ACRES IN LEASE

1280

17. NO. OF ACRES ASSIGNED
TO THIS WELL

320

18. DISTANCE FROM PROPOSED LOCATION*

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

NA

19. PROPOSED DEPTH

9170'

20. ROTARY OR CABLE TOOLS

ROTARY

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

4174' GR.

22. APPROX. DATE WORK WILL START*
WHEN APPROVED

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	GRADE SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17 1/2"	K-55 13 3/8"	68	640'	650 Sx. Circulated
12 1/4"	K-55 8 5/8"	24	2023'	1000 Sx. "
7 7/8"	J-55 5 1/2"	17	9170'	650 Sx. Est TOC 5000'

APPROVAL SUBJECT TO
GENERAL REQUIREMENTS
AND SPECIAL STIPULATIONS
ATTACHED

SEE ATTACHED SHEET

CARLSBAD CONTROLLED WATER BASIN

RECEIVED

DEC 18 2003

OCD-ARTESIA

PURE RESOURCES, L.P. ACCEPTS THE RESPONSIBILITY OF OPERATING THIS LEASE.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, 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

Joe G. Lara

TITLE

Agent

DATE

11/10/03

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.
CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY

/s/ Joe G. Lara

ACTING

FIELD MANAGER

TITLE

DATE

16 DEC 2003

*See Instructions On Reverse Side

APPROVAL FOR 1 YEAR

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the

Stinking Draw Federal #1 Reentry Procedure

1. Prep location. Dig out wellhead. Weld on 8 5/8 SOW x 11" 3000 starter head.
2. MI RT's. NU and test BOPE. Mix mud as necessary.
3. TIH w/ 7 7/8" MT bit on 6 1/2" DC's.
4. Drill out surface plug. TIH to plug @ 1975' and tag. Test casing to 1000 psi.
5. Drill out remaining cement plugs. C&C hole. POH LD DP & DC's.
6. May run modern suite of openhole logs. GR SP DLL MSFL / GR CNL LDT
7. Run 5 1/2" 17# J-55 LTC w/ FS & FC. Centralize zones of interest.
8. Cement 5 1/2" per recommendation. TOC 5500'. Displace w/ 2% KCl.
9. ND BOP. Set slips. NU 11" 3000 x 7 1/16" 3000 tubing head and DH tree.
10. Rig down and MORT.
11. MIRU PU. Run GR CCL across zones of interest, TD - 8700 and 5800 - 6400.
Correlate to Schul GR CNL FDC dated 3/7/80.
12. Perf Wolfcamp 5940 - 60 w/ 1 spf.
13. GIH w/ pkr and o/o tool on 2 7/8" WS. Spot acid across perfs. Set pkr @ 5840±.
14. Acidize w/ 5000 gal 15% NEFE and BS's.
15. Swab test.
16. Based on test results will frac, add perfs and acidize or squeeze.
17. If Wolfcamp test is not commercial, POH w/ pkr, squeeze perfs. Drill out and test to 1000 psi.
18. Perf Lower Morrow 8970-74, 9008-28, 9036-40 w/ 2spf.
19. GIH w/ pkr and o/o tool w/ 1.81" profile on 2 7/8" WS.
20. Swab test. Acidize w/ 3000 gal 7 1/2% NEFE and BS's. Swab test.
21. If necessary frac. Design to be determined from test results.
22. Flow test. Run PBU test followed by 4 point test. TOPS.

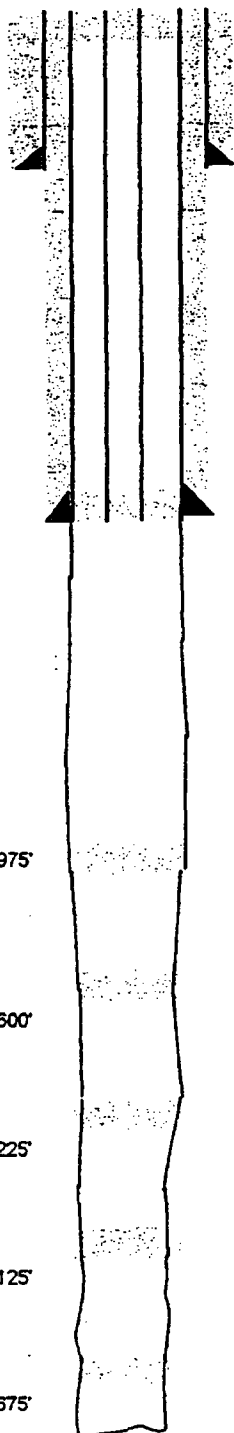
Sequence in which zones are tested may change, ie may test Morrow first based on log evaluation.

Well: Stinking Draw Federal #1
Field: Indian Basin West



Elev 4182' KB 4170' GL

A Unocal Company



15 sx Class H cmt @ surface

13 3/8", 68#, K-55
ST&C csg @ 640'
Cmt w/ 650 sx Class C
Circ 212 sx to pit

1980 FNL 660 FWL Sec 13 T21S R22E
Eddy County, New Mexico
API #3001523130
Drilled and Plugged in 1980

Formation Tops

Abo/ SH	2876
Wolfcamp	5298
Wolfcamp Dolo/Lower	5772
Pennsylvanian Virgilian Sand	6728
Canyon Series	7211
Strawn	8067
Atoka	8458
Morrow	8746
Lower Morrow	8987
Chester	9089

8 5/8", 24#, K-55 ST&C csg @ 2023'
Cmt w/ 800 sx Halliburton Lite
& 200 sx Class C
Circ 290 sx to pit

Plug #5
2075-1975'

DST #1 8800-8888' - Open 1 hr 15"
IHP 4665; IFP 227-253; 30 min
ISIP 1260; FFP 202-227; 120"
FSIP 2038; FHP 4588. Rec 360'
Drilling mud

Plug #4
3750-3600'

Plug #3
5375-5225'

DST #2 8936'-TD- Open 55" IHP 4535; IFP 1629-1629; ISIP 3521;
FFP & FSIP - not recorded charts indicate severe plugging end of the
first flow period & the packer seats were lost at the beginning of the 2nd flow period
FHP 4542; Rec 576' Drilling mud

Plug #2
7275-7125'

DST #3- 8217'-8269'- failed

Plug #1
8825-8675'

DST #4- 8222'-8274'- failed

TD 9710'

DISTRICT I
P.O. Box 1000, Hobbs, NM 88241-1000

DISTRICT II
P.O. Drawer DD, Artesia, NM 88211-0719

DISTRICT III
1000 Rio Brazos Rd., Artec, NM 87410

DISTRICT IV
P.O. BOX 2088, SANTA FE, N.M. 87504-2088

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION
P.O. Box 2088
Santa Fe, New Mexico 87504-2088

Form C-102
Revised February 10, 1994
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number 30-015-23130	Pool Code 79020	Pool Name INDIAN BASIN MORROW WEST
Property Code	Property Name STINKING DRAW FEDERAL	Well Number 1
OGRID No. 150628	Operator Name PURE RESOURCES, L.P.	Elevation 4174'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
E	13	21-S	22-E		1998'	NORTH	604'	WEST	EDDY

Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

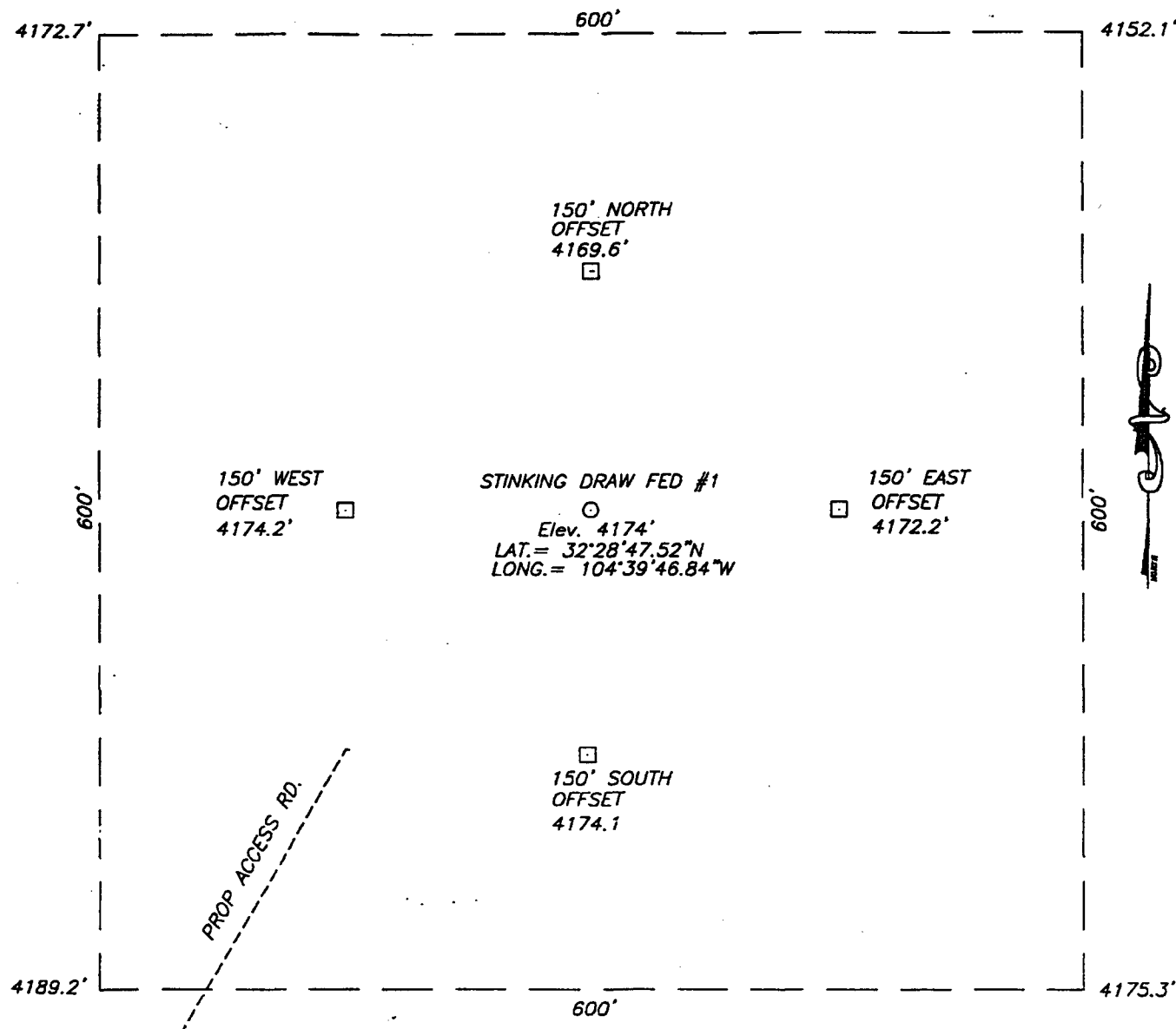
Dedicated Acres 320	Joint or Infill	Consolidation Code	Order No.
------------------------	-----------------	--------------------	-----------

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

Diagram showing well location with dimensions: 1998' (vertical), 604' (horizontal), 4172.7', 4152.1', 4189.2', 4175.3', and 600' (radius).	<u>GEODETTIC COORDINATE</u> NAD 27 NME Y = 538446.1 N X = 398336.8 E LAT. = 32°28'47.52"N LONG. = 104°39'46.84"W	OPERATOR CERTIFICATION I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief. <i>Joe T. Janica</i> Signature Joe T. Janica Printed Name Agent Title 11/10/03 Date SURVEYOR CERTIFICATION 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 belief. October 15, 2003 Date Surveyed AWB Signature & Seal of Professional Surveyor <i>Gary E. Gibson</i> 10/22/03 03.11.11078 Certificate No. GARY KIDSON 12641
---	---	--

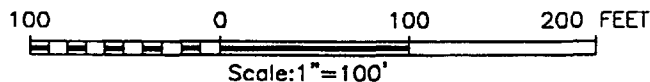
EXHIBIT "A"

SECTION 13, TOWNSHIP 21 SOUTH, RANGE 22 EAST, N.M.P.M.,
 EDDY COUNTY, NEW MEXICO.



DIRECTIONS TO LOCATION

FROM THE Y AT CO. RD. 402 AND THE ENTRANCE TO THE KERR-McGEE BUNNELL FEDERAL LEASE ROAD TAKE THE LEFT FORK (BUNNELL LEASE) AND FOLLOW ROAD FOR 0.35 MILES TO THE END OF A RECLAIMED ROAD. FOLLOW RECLAIMED ROAD FOR 1.6 MILES TO A FENCE AND THE END OF THE ROAD. WELL IS 671 FEET NORTHEAST ALONG STAKED ROAD.



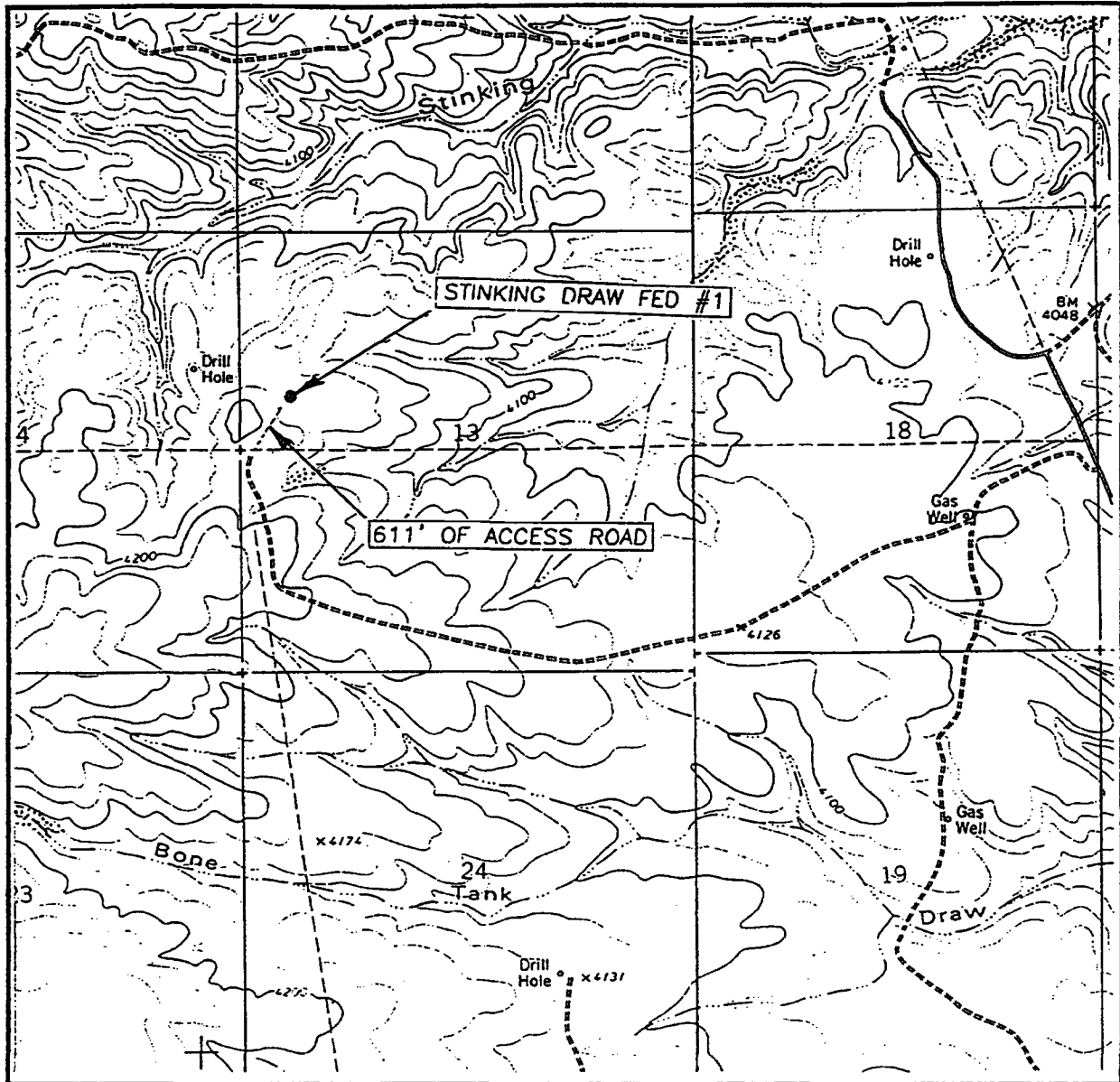
PURE RESOURCES, L.P.

STINKING DRAW FEDERAL #1 WELL
 LOCATED 1998 FEET FROM THE NORTH LINE
 AND 604 FEET FROM THE WEST LINE OF SECTION 13,
 TOWNSHIP 21 SOUTH, RANGE 22 EAST, N.M.P.M.,
 EDDY COUNTY, NEW MEXICO.

Survey Date: 10/15/03	Sheet 1 of 1 Sheets
W.O. Number: 03.11.1107	DRAWN BY: A.W.B
Date: 10/16/03	DISK: CD#9
PURE #1107	Scale: 1"=100'

JOHN WEST SURVEYING COMPANY
 412 N. DAL PASO - HOBBS, NEW MEXICO - 505-393-3117

LOCATION VERIFICATION MAP



SCALE: 1" = 2000'

CONTOUR INTERVAL: 20'
CAWLEY DRAW, N.M.

SEC. 13 TWP. 21-S RGE. 22-E

SURVEY N.M.P.M.

COUNTY EDDY

DESCRIPTION 1998' FNL & 604' FWL

ELEVATION 4174'

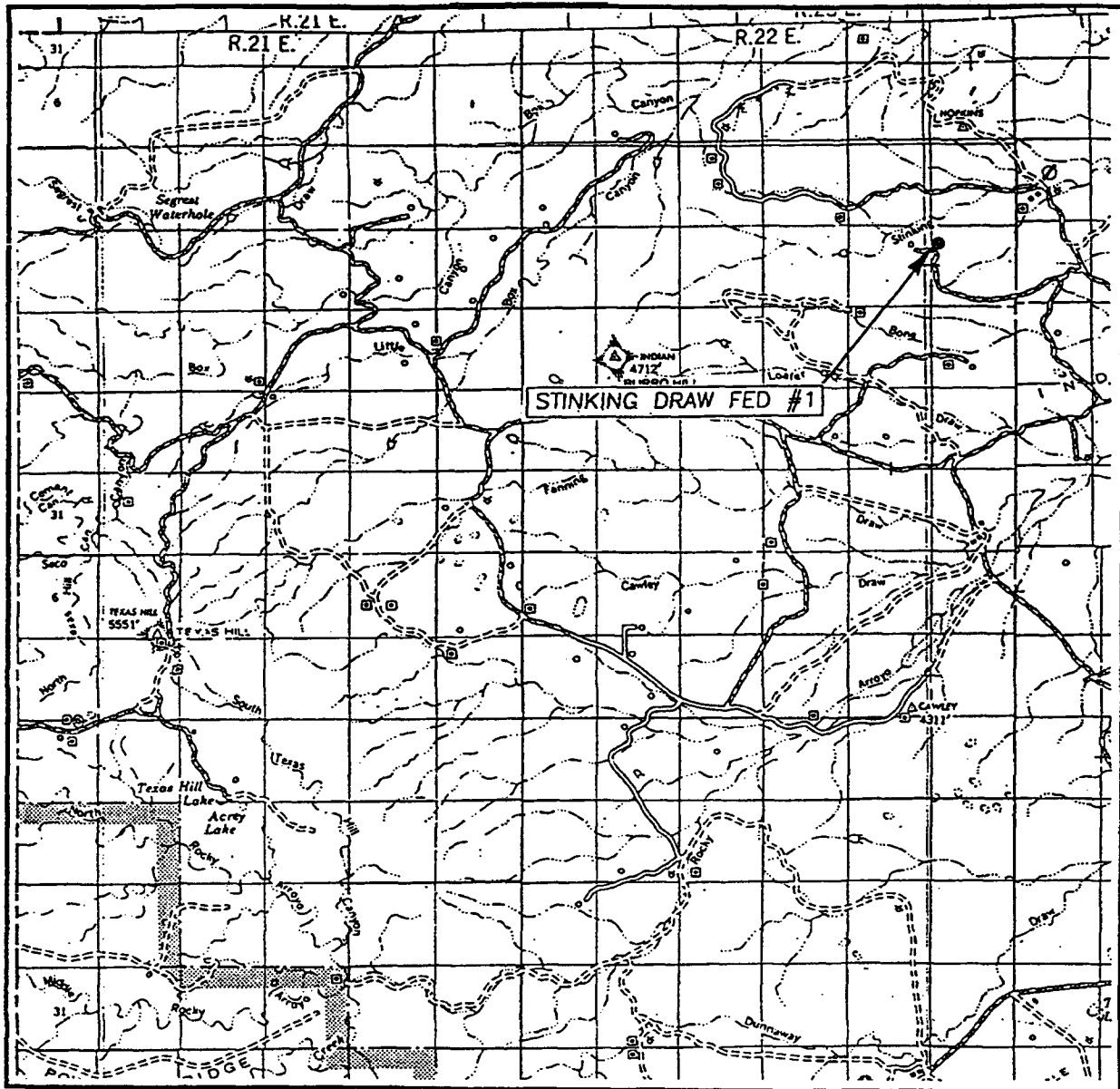
OPERATOR PURE RESOURCES, L.P.

LEASE STINKING DRAW FED

U.S.G.S. TOPOGRAPHIC MAP
CAWLEY DRAW, N.M.

JOHN WEST SURVEYING
HOBBS, NEW MEXICO
(505) 393-3117

VICINITY MAP



SCALE: 1" = 2 MILES

SEC. 13 TWP. 21-S RGE. 22-E
 SURVEY N.M.P.M.
 COUNTY EDDY
 DESCRIPTION 1998' FNL & 604' FWL
 ELEVATION 4174'
 OPERATOR PURE RESOURCES, L.P.
 LEASE STINKING DRAW FED

JOHN WEST SURVEYING
 HOBBS, NEW MEXICO
 (505) 393-3117

APPLICATION TO DRILL

PURE RESOURCES, L.P.
STINKING DRAW FEDERAL #1
UNIT "E" SECTION 13
T21S-R22E EDDY CO. NM

In response to questions asked under Section II of Bulletin NTL-6 the following information on the above well is provided for your consideration.

1. Location of well: 1998' FNL & 604' FWL SECTION 13 T21S-R22E EDDY CO. NM
2. Ground Elevation above Sea Level: 4174' GR.
3. Geological age of surface formation: Quaternary Deposits:
4. Drilling tools and associated equipment: Conventional rotary drilling rig using drilling mud as a circulating medium to remove solids from hole.
5. Proposed drilling depth: Clean out to 9170'

6. Estimated tops of geological markers:

Abo Shale	2876'	Atoka	8458'
Wolfcamp	5298'	Morrow	8746'
Penn Virgilian Sd.	6728'	Lower Morrow	8987'
Strawn	8067'	Chester	9089'

7. Possible mineral bearing formations:

Wolfcamp	Gas
Morrow	Gas

8. Casing Program:

Hole Size	Interval	OD of Casing	Weight	Thread	Collar	Grade
*17½"	0-640'	13 3/8"	68	8-R	ST&C	K-55
*12½"	0-2023'	8 5/8"	24	8-R	ST&C	K-55
7 7/8"	0-9170'	5½"	17	8-R	LT&C	J-55

* This casing is already in place and cemented to surface.

APPLICATION TO DRILL

PURE RESOURCES, L.P.
STINKING DRAW FEDERAL #1
UNIT "E" SECTION 13
T21S-R22E EDDY CO. NM

9. CASING CEMENTING & SETTING DEPTH:

13 3/8"	Surface	This casing is in place cemented with 650 Sx. of cement and circulated to surface.
8 5/8"	Intermediate	This casing is already in place and cemented with 1000 Sx. and circulated to surface.
5 1/2"	Production	Set 9170' of 5 1/2" 17# J-55 LT&C casing. Cement with 650 Sx. of Class "H" cement + additives. Cement top to be high enough to cover the Wolfcamp formation.

10. PRESSURE CONTROL EQUIPMENT: Exhibit "E" shows a 1500 series 3000 PSI working pressure B.O.P. consisting of an annular bag type preventor, middle blind rams, and bottom pipe rams. The B.O.P. will be nipped up on the 13 3/8" casing and tested to API specifications. The B.O.P. will be operated at least once each 24 Hr. period and the blind rams will be operated when the drill pipe is out of on trips. Full opening stabbing valve and upper kelly cock will be available in case if needed. Exhibit "E-1" shows a hydraulically operated closing unit and a 3" 3000 PSI choke manifold with adjustable chokes. No abnormal pressures or temperatures are expected while drilling this well. No problems in offset wells.

11. PROPOSED MUD CIRCULATING SYSTEM:

DEPTH	MUD WT.	VISC.	FLUID LOSS	TYPE MUD SYSTEM
2023-9170'	8.4- 8.9	29-40	NC *	Fresh water mud system add fresh water gel for viscosity control. use high viscosity sweeps to clean hole.

* If water loss control is needed use a Polymer system to reduce water loss to the desired amount this water loss control may be required in order to get hole in condition to run logs and casing.

Sufficient mud materials will be kept on location at all times in order to combat lost circulation, or unexpected kicks. In order to run DST's, open hole logs, and casing, viscosity, and water loss may have to be adjusted to meet these needs.

APPLICATION TO DRILL

PURE RESOURCES, L.P.
STINKING DRAW FEDERAL #1
UNIT "E" SECTION 13
T21S-R22E EDDY CO. NM

12. LOGGING, CORING & TESTING:

- A. Open hole logs: Dual Laterolog, MSFL, CNL, LDT, SP, Gamma Ray, Caliper from TD back to 8 5/8" casing shoe.
- B. Potential producing zones will be evaluated from the new suite of open hole logs. Interesting zones will be perforated and tested.

13. POTENTIAL HAZARDS:

No abnormal pressures or temperatures are expected. There is no known presence of H²S in this area. If H²S is encountered the operator will comply with the provisions of Onshore Oil and Gas Order No. 6. No lost circulation is expected to occur. All personnel will be familiar with all aspects of safe operation of equipment being used to drill this well. Estimated BHP 4500 PSI, and Estimated BHT 185°.

14. ANTICIPATED STARTING DATE AND DURATION OF OPERATION:

Road and location construction will begin after the BLM has approved the APD. Anticipated spud date will be as soon after BLM approval and as soon as a rig will be available. Move in operation and drilling is expected to take 8-10 days. If production casing is run then an additional 30 days will be needed to complete well and construct surface facilities and/or lay flowlines in order to place well on production.

15. OTHER FACETS OF OPERATIONS:

After running casing, cased hole Gamma Ray, Neutron Collar logs will be run from TD back to all possible productive zones. The Morrow formation will be perforated and stimulated in order to establish production. The well will be swab tested and potentialized as a gas well

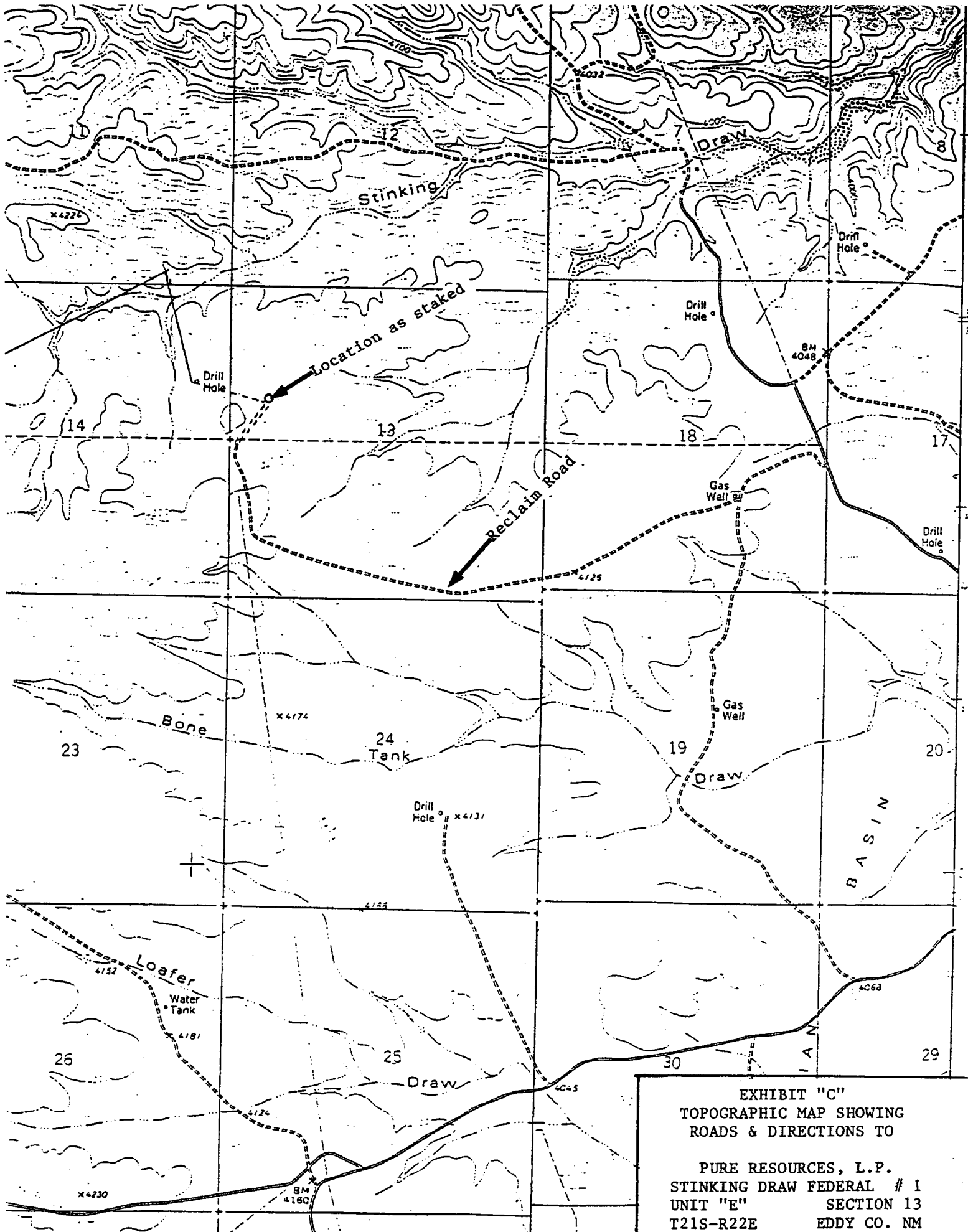


EXHIBIT "C"
TOPOGRAPHIC MAP SHOWING
ROADS & DIRECTIONS TO

PURE RESOURCES, L.P.
STINKING DRAW FEDERAL # 1
UNIT "E" SECTION 13
T21S-R22E EDDY CO. NM

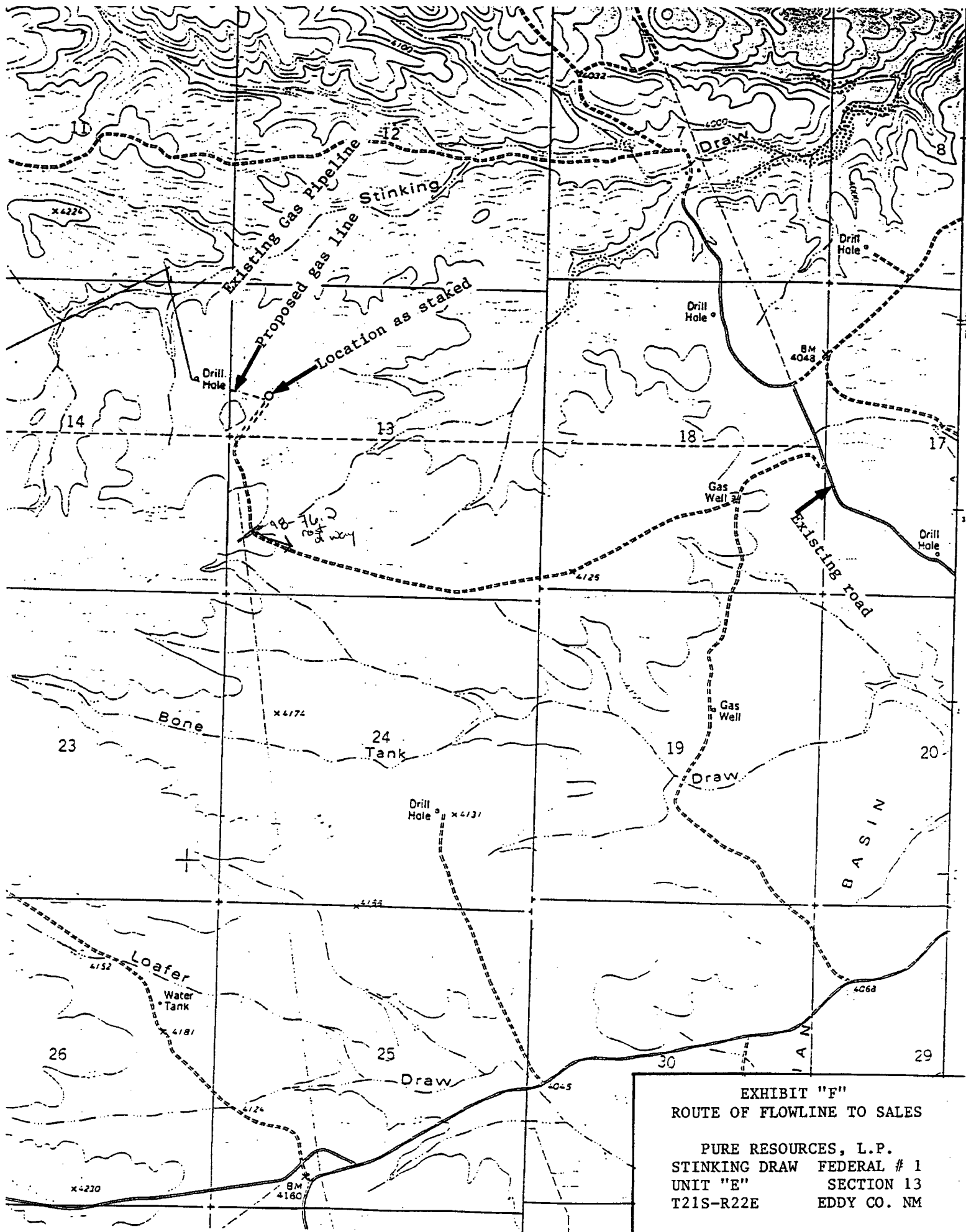


EXHIBIT "F"
ROUTE OF FLOWLINE TO SALES

PURE RESOURCES, L.P.
STINKING DRAW FEDERAL # 1
UNIT "E" SECTION 13
T21S-R22E EDDY CO. NM

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0135
Expires November 30, 2000

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well
☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator
PURE RESOURCES, L.P. (KEN KRAWIETZ) 432-498-2655

3a. Address 500 WEST ILLINOIS AVENUE
MIDLAND, TEXAS 79701

3b. Phone No. (include area code)
432-498-2655

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
1980' FNL & 660' FWL SECTION 13 T21S-R22E EDDY CO. NM

5. Lease Serial No.
NM-110333

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No. STINKING
DRAW FEDERAL # 1

9. API Well No.
30-015-23130

10. Field and Pool or Exploratory Area
INDIAN BASIN MORROW WEST

11. County or Parish, State
EDDY CO. NEW MEXICO

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☒ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☐ Subsequent Report	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☒ Recomplete	☐ Other _____
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleate horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleation in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

1. Re-enter an old dry hole and complete in the Morrow formation.
2. Attached is the original survey plat (C-102) surveyed in 1979 by John West surveying company.

RECEIVED

JAN 05 2004

OCD-ARTESIA

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

Name (Printed/Typed)

Joe T. Janica

Title Agent

Signature

Joe T. Janica

Date 01/02/04

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

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

Form C-102
Supersedes C-128
Effective 1-4-85

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

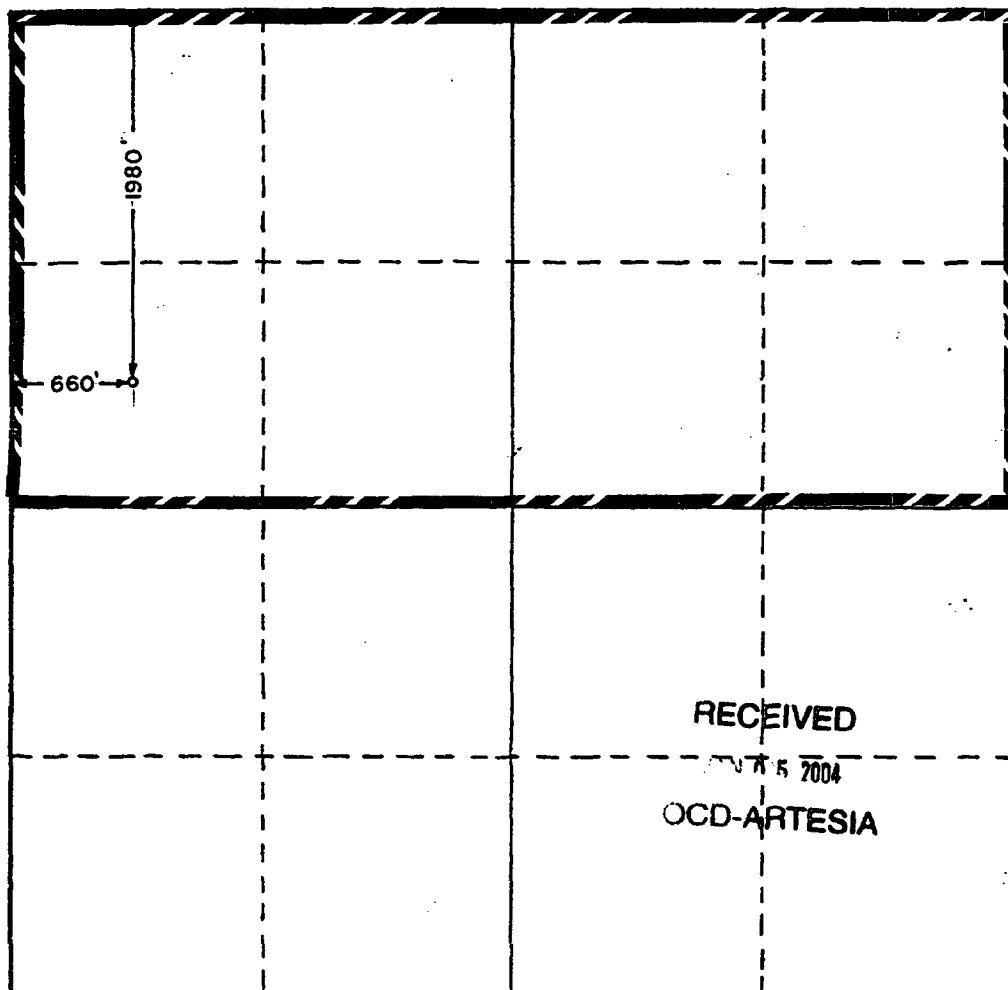
Operator Original Operator (DURHAM, INC.)		Lease Stinking Draw Fed.		Well No. 1
Current Operator PURE RESOURCES, L.P.				
Unit Letter E	Section 13	Township 21 South	Range 22 East	County Eddy
Actual Footage Location of Well:				
1980 feet from the North line and 660 feet from the West line				
Ground Level Elev. 4177.8	Producing Formation MORROW	Pool INDIAN BASIN MORROW-WEST	Dedicated Acreage: 320 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.

Joe T. Janica

Name

Position

Agent

Company

PURE RESOURCES, L.P.

Date

01/02/04

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.

Date Surveyed

December 3, 1979

Registered Professional Engineer and/or Land Surveyor

John W. West

Certificate No. John W. West

676

Ronald J. Eidson

3239

