

District II
1301 W. Grand Ave., Artesia, NM 88210
Phone: (505) 748-1283 Fax: (505) 748-9720

Form C-101
Permit 24070

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

1. Operator Name and Address DAVID H ARRINGTON OIL & GAS INC PO BOX 2071 MIDLAND, TX 79702		2. OGRID Number 5898
		3. API Number 3e - 005 - 63813
4. Property Code 35466	5. Property Name NEW MEXICO NAIL	6. Well No. 002H

7. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
N	13	15S	25E	N	400	S	1880	W	CHAVES

8. Pool Information

WILDCAT; WOLFCAMP GAS	97489
-----------------------	-------

Additional Well Information

9. Work Type New Well	10. Well Type GAS	11. Cable/Rotary	12. Lease Type State	13. Ground Level Elevation 3414
14. Multiple N	15. Proposed Depth 8890	16. Formation Wolfcamp	17. Contractor	18. Spud Date 3/10/2006
Depth to Ground water 500		Distance from nearest fresh water well > 1000		Distance to nearest surface water > 1000
Pit: Liner: Synthetic <input checked="" type="checkbox"/> 20 mils thick Clay <input type="checkbox"/> Pit Volume: 6000 bbls Drilling Method: Closed Loop System <input type="checkbox"/> Fresh Water <input type="checkbox"/> Brine <input type="checkbox"/> Diesel/Oil-based <input checked="" type="checkbox"/> Gas/Air <input type="checkbox"/>				

19. Proposed Casing and Cement Program

Type	Hole Size	Casing Type	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surf	12.25	8.625	32	1100	1450	0
Prod	7.875	5.5	17	8890	915	0

Casing/Cement Program: Additional Comments

Water depth = 500'. Wash out zones @ approximately 850-900'. Penetration Point - 660' FSL.

Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
DoubleRam	5000	5000	Weatherford

I hereby certify that the information given above is true and complete to the best of my knowledge and belief.
I further certify that the drilling pit will be constructed according to NMOC guidelines ☒, a general permit ☐, or an (attached) alternative OCD-approved plan ☐.

OIL CONSERVATION DIVISION

Printed Name: Electronically filed by Danny Ledford

Approved By: Bryan Arrant

Title: Manager

Title: Geologist

Email Address: dledford@arringtonoil.com

Approved Date: 3/20/2006

Expiration Date: 3/20/2007

Date: 3/17/2006

Phone: 432-682-6685

Conditions of Approval Attached

Permit Conditions of Approval

Operator: DAVID H ARRINGTON OIL & GAS INC , 5898

Well: NEW MEXICO NAIL #002H

API: 30-05-34700

OCD Reviewer	Condition
BArrant	Pit construction and closure must satisfy all requirements of your approved plan, O.C.D. Rule 19.15.2.50, and the Pit and Below-Grade Tank Guidelines
BArrant	Will require a directional survey with the C-104
BArrant	Please notify OCD time of spud & time to witness the cementing to surface of all casings strings.
BArrant	As noted, operator to drill surface hole with fresh water mud.
BArrant	Approval from Santa Fe is required providing another well is drilled in the same proration unit to produce from the same formation.

Permit Comments

Operator: DAVID H ARRINGTON OIL & GAS INC , 5898

Well: NEW MEXICO NAIL #002H

API:

Created By	Comment	Comment Date
BArrant	Please provide similar information that I requested for the New Mexico Nail # 1H. Also, I assume that additional 'hard copy' information has been submitted to our office similar to the new Mexico Nail # 1H??? Many Thanks, Bryan G. Arrant	3/1/2006
BArrant	Spoke to Ms. Ann Ritchie to provide requested information.	3/8/2006

DISTRICT I
1625 N. French Dr., Hobbs, NM 88240

DISTRICT II
1301 W. Grand Avenue, Artesia, NM 88210

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

DISTRICT IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico

Energy, Minerals, and Natural Resources Department

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.

Santa Fe, New Mexico 87505

Form C-102

Revised August 15, 2000

Submit to Appropriate District Office

State Lease - 4 copies

Fee Lease - 3 copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-015-	² Pool Code 75250	³ Pool Name Cottonwood Creek; Wolfcamp
⁴ Property Code	⁵ Property Name NEW MEXICO NAIL	⁶ Well Number 2H
⁷ OGRID No. 5898	⁸ Operator Name DAVID H. ARRINGTON OIL & GAS, INC.	⁹ Elevation 3414'

¹⁰ Surface Location

UL or lot no. N	Section 13	Township 15 SOUTH	Range 25 EAST, N.M.P.M.	Lot Idn	Feet from the 400'	North/South line SOUTH	Feet from the 1880'	East/West line WEST	County CHAVES
--------------------	---------------	----------------------	----------------------------	---------	-----------------------	---------------------------	------------------------	------------------------	------------------

¹¹ Bottom Hole Location If Different From Surface

UL or lot no. C	Section 13	Township 15 SOUTH	Range 25 EAST, N.M.P.M.	Lot Idn	Feet from the 660'	North/South line NORTH	Feet from the 1880'	East/West line WEST	County CHAVES
¹² Dedicated Acres 320	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.						

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

<div><p>¹⁶</p><p>BOTTOMHOLE LOCATION X = 480189 Y = 735163 LAT.: N 33.0210106 LONG.: W 104.3979679</p><p>NAD 27 NME ZONE X = 480201 Y = 730916 LAT.: N 33.0093369 LONG.: W 104.3979181</p><p>RECEIVED FEB 23 2006 JULIA MATEO</p></div>	<div><p>¹⁷ OPERATOR CERTIFICATION</p><p>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</p><p>Signature <i>Ann E. Ritchie</i> Ann E. Ritchie Regulatory Agent Title 2-21-06 Date</p><p>¹⁸ SURVEYOR CERTIFICATION</p><p>I hereby certify that the well location shown on this plat was plotted from field notes of a registered surveyor under my supervision, and that the same are true and correct to the best of my belief.</p><p>7920 FEBRUARY 18, 2006</p><p>Signature and Seal of Professional Surveyor <i>V. L. Bezner</i> V. L. BEZNER R.P.S. #7920 JOB # 110697 / 125 SW / E.U.O.</p></div>
----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

<u>Surface</u>	<u>Lateral Terminus</u>
400' FSL	660' FNL
1880' FWL	1880' FWL
S-13	
T15S, R25E	

API: 30-0??-?????

Bit Size: 12-1/4"

8-5/8" 32# J55 LTC @ 900'
w/ 200 sx Premium Plus w/ 10 pps DiamondSeal
(9.5 / 7.65) and
100 sx Premium Plus Thixset w/ 1% Thixset A,
0.25% WG-17 (14.0 / 1.53) and
650 sx Light Premium Plus w/ 5 pps gilsonite
& 2% CaCl_2 (12.4 / 2.04) and
500 sx Premium Plus w/ 2% CaCl_2 (14.8 / 1.34)
Cement Circulated

Tubb @ 3250'

Abo Shale @ 3950'

Bit Size: 7-7/8"

Abo Reef @ 4240'

2-3/8" 4.7# J55 EUE 8rd Tbg

**On-Off Tool @ 4297' w/
1.87" F nipple
Lokset Pkr @ 4300'
10' 2-3/8" pup
1.87" F nipple
10' 2-3/8" pup
1.78" R nipple
W/L entry guide**

KOP: 4340'
10.5° BUR

4247' VS

Bit Size: 7-7/8"

EOL @ 8900'

Wolfcamp @ 4850'

Wolfcamp Shale @ 5050'

5-1/2" 17# P110 LTC @ 8890'
w/ 490 sx Interfill C w/ 1/4# pps flocele (11.9 / 2.45) and
425 sx Howco Acid Soluble Cement w/ 0.7% Halad
344, 0.2% FWCA & 0.2% HR-601 (15.0 / 2.48)
Cement Circulated (Assumed 8.5" AHS)

MEE: 02/21/06



Job Number:
 Company: David H. Arrington Oil & Gas
 Lease/Well: New Mexico Nail #2H
 Location: Chaves County
 Rig Name:
 RKB:
 G.L. or M.S.L.:

State/Country: New Mexico
 Declination:
 Grid:
 File name: C:\PROPOS~1\ARRING~1\NMNAIL~1\PLAN.SVY
 Date/Time: 21-Feb-06 / 17:13
 Curve Name: Preliminary Plan

THE DIRECTIONAL DRILLING COMPANY

WINSERVE PROPOSAL REPORT Minimum Curvature Method Vertical Section Plane 359.50 Vertical Section Referenced to Wellhead Rectangular Coordinates Referenced to Wellhead

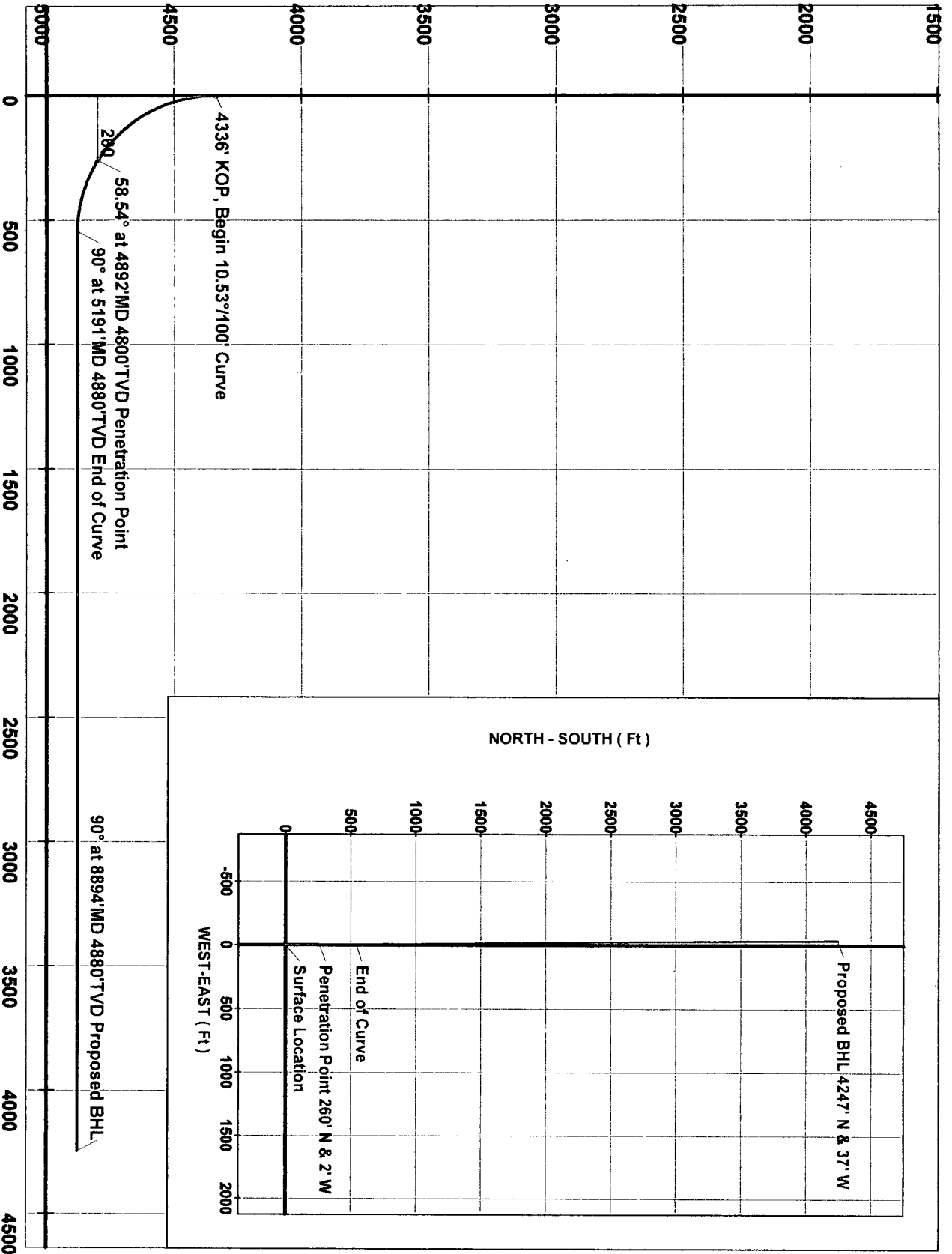
Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	Vertical Section FT	N-S FT	E-W FT	Dogleg Severity Deg/100
KOP, Begin 10.53°/100' Curve							
4335.88	.00	359.50	4335.88	.00	.00	.00	.00
4385.88	5.26	359.50	4385.81	2.30	2.30	-.02	10.53
4435.88	10.53	359.50	4435.32	9.16	9.16	-.08	10.53
4485.88	15.79	359.50	4483.99	20.54	20.54	-.18	10.53
4535.88	21.06	359.50	4531.41	36.34	36.34	-.32	10.53
4585.88	26.32	359.50	4577.18	56.43	56.43	-.49	10.53
4635.88	31.59	359.50	4620.91	80.63	80.63	-.70	10.53
4685.88	36.85	359.50	4662.24	108.74	108.73	-.95	10.53
4735.88	42.12	359.50	4700.81	140.52	140.52	-1.23	10.53
4785.88	47.38	359.50	4736.31	175.71	175.71	-1.53	10.53
4835.88	52.65	359.50	4768.42	214.01	214.00	-1.87	10.53
4885.88	57.91	359.50	4796.89	255.10	255.09	-2.23	10.53
Penetration Point							
4891.78	58.54	359.50	4800.00	260.11	260.10	-2.27	10.53
4935.88	63.18	359.50	4821.47	298.62	298.61	-2.61	10.53
4985.88	68.44	359.50	4841.95	344.21	344.20	-3.00	10.53
5035.88	73.71	359.50	4858.16	391.49	391.48	-3.42	10.53
5085.88	78.97	359.50	4869.96	440.06	440.05	-3.84	10.53
5135.88	84.24	359.50	4877.25	489.51	489.49	-4.27	10.53
5185.88	89.50	359.50	4879.98	539.42	539.40	-4.71	10.53
End of Curve							
5190.58	90.00	359.50	4880.00	544.12	544.10	-4.75	10.53

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	Vertical Section FT	N-S FT	E-W FT	Dogleg Severity Deg/100
5390.58	90.00	359.50	4880.00	744.12	744.09	-6.49	.00
5590.58	90.00	359.50	4880.00	944.12	944.08	-8.24	.00
5790.58	90.00	359.50	4880.00	1144.12	1144.08	-9.98	.00
5990.58	90.00	359.50	4880.00	1344.12	1344.07	-11.73	.00
6190.58	90.00	359.50	4880.00	1544.12	1544.06	-13.47	.00
6390.58	90.00	359.50	4880.00	1744.12	1744.05	-15.22	.00
6590.58	90.00	359.50	4880.00	1944.12	1944.05	-16.97	.00
6790.58	90.00	359.50	4880.00	2144.12	2144.04	-18.71	.00
6990.58	90.00	359.50	4880.00	2344.12	2344.03	-20.46	.00
7190.58	90.00	359.50	4880.00	2544.12	2544.02	-22.20	.00
7390.58	90.00	359.50	4880.00	2744.12	2744.02	-23.95	.00
7590.58	90.00	359.50	4880.00	2944.12	2944.01	-25.69	.00
7790.58	90.00	359.50	4880.00	3144.12	3144.00	-27.44	.00
7990.58	90.00	359.50	4880.00	3344.12	3343.99	-29.18	.00
8190.58	90.00	359.50	4880.00	3544.12	3543.99	-30.93	.00
8390.58	90.00	359.50	4880.00	3744.12	3743.98	-32.67	.00
8590.58	90.00	359.50	4880.00	3944.12	3943.97	-34.42	.00
8790.58	90.00	359.50	4880.00	4144.12	4143.96	-36.16	.00
Proposed BHL							
8893.56	90.00	359.50	4880.00	4247.10	4246.94	-37.06	.00

Company: David H. Arrington Oil & Gas
Lease/Well: New Mexico Nail #2H
Location: Chaves County
State/Country: New Mexico



TRUE VERTICAL DEPTH (Ft)



VERTICAL SECTION (Ft) @ 359.50°

David H. Arrington Oil & Gas Inc.
 New Mexico Nail 2H
 SHL - 400' FSL & 1880' FWL
 Penetration Point - 660' FSL & 1880' FWL
 BHL - 660' FNL & 1880' FWL
 S13, T15S, R25E
 Chaves County, NM

1. Ground elevation above sea level: 3414'
2. Proposed drilling depth: 8900' TMD
3. Estimated tops of geological markers:

Tubb	3250'
Abo Shale	3950'
Abo Reef	4240'
Wolfcamp	4850'
Wolfcamp Shale	5050'

4. Possible mineral bearing formations:

Abo/Wolfcamp	Gas/Oil
--------------	---------

5. Casing Program

<u>Hole size</u>	<u>Interval</u>	<u>OD of Casing</u>	<u>Weight</u>	<u>Thread</u>	<u>Grade</u>	<u>TOC</u>
12-1/4"	40' - 900'	8-5/8"	32#	LTC	J55	Surf
7-7/8"	900' - 8900'	5-1/2"	17#	LTC	P110	Surf

Drill 7-7/8" vertical hole to ~4340' and begin 10.53 BUR. Land curve @ ~4880' TVD and drill ahead to a total measured depth of ~8900'. Run 5-1/2" production string to TD and cement to surface.

6. Cementing and Setting Depth

<u>String</u>	<u>Depth</u>	<u>Sks</u>	<u>Slurry</u>
8-5/8" Surface	900'	200	Lead-1: Premium Premium Plus w/ 10 pps DiamondSeal
		100	Lead-2: Premium Plus Thixset w/ 1% Thixset A & 0.25% WG-17
		650	Lead-3: Light Premium Plus w/ 5 pps gilsonite & 2% CaCl ₂
		500	Tail: Premium Plus w/ 2% CaCl ₂
5-1/2" Production	8900'	490	Lead: Interfill C w/ 1/4 pps Flocele
		425	Tail: Howco Acid Soluble Cement w/ 0.7% Halad 344, 0.2% FWCA & 0.2% HR-601

Both casing strings will be cemented to surface.

7. Pressure Control Equipment: After setting 8-5/8" casing and installing 5000 psi casing head, NU 11" 5000 psi double ram BOP and 5000 psi annular BOP, and test with clear fluid to 3000 psi using 3rd party testers.

8. Proposed Mud Circulating System

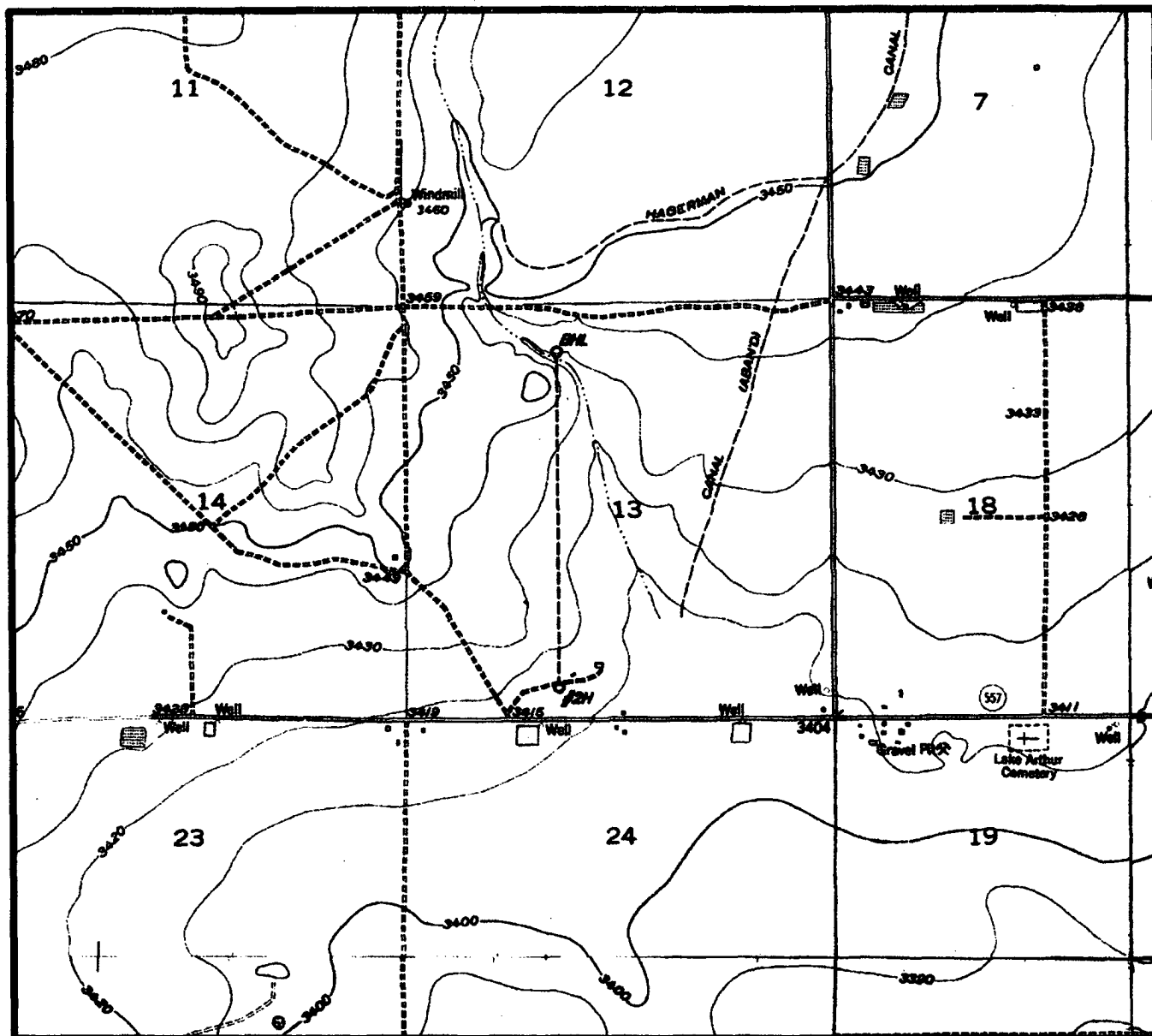
Interval	Mud Wt.	Visc.	FL	Type Mud System
40' - 900'	8.5 - 8.6	32 - 38	NC	Fresh water gel/lime slurry. Add paper for seepage. If losses occur, utilize 15-25 lb/bbl LCM. If necessary, spot LCM pill for losses. If not regained, dry drill to depth.
900' - 8900'	8.4 - 9.3	28 - 38	NC-12	Fresh water-cut brine. Drill out w/ fresh water using paper and high viscosity sweeps for seepage and hole cleaning. At ~ 3,700' add brine to mud. Mud up at ~4,600' utilizing starch/PAC system. Add XCD polymer as necessary in lateral portion for hole stability and cleaning.

Proposed Drilling Plan:

Drill 12-1/4" surface hole to 900'. Run 8-5/8" and cement to surface.

Drill 7-7/8" production hole to ~4340' and build curve w/ 10.5°/100' BUR to ~90° inclination. Drill 7-7/8" lateral to ~8900'. Run 5-1/2" casing and cement to surface.

LOCATION & ELEVATION VERIFICATION MAP



SCALE : 1" = 2000'

CONTOUR INTERVAL 10'

SECTION 13 TWP 15-S RGE 25-E

SURVEY NEW MEXICO PRINCIPAL MERIDIAN

COUNTY CHAVES STATE NM

DESCRIPTION 400' FSL & 1880' FWL

ELEVATION 3414'

OPERATOR DAVID H. ARRINGTON OIL & GAS

LEASE NEW MEXICO NAIL #2H

U.S.G.S. TOPOGRAPHIC MAP

ESPUELA, NEW MEXICO

SCALED LAT. LAT.: N 33.0093369

LONG. LONG.: W 104.3979181



TOPOGRAPHIC LAND SURVEYORS

Surveying & Mapping for the Oil & Gas Industry

2903 N. BIG SPRING
MIDLAND, TX. 79705
(800) 767-1653

March 13, 2006

Bryan Arrant, Geologist
New Mexico Oil Conservation Division
1301 W. Grand Ave.
Artesia, NM 88210

RE: **David H. Arrington Oil & Gas, Inc.**, New Mexico Nail #1H & 2H,
Section 13, T15S, R25E, Chaves County, New Mexico =

Dear Bryan,

Please see attached the new Location & Elevation Verification Map for the above referenced wells, which shows the town of Lake Arthur. I was concerned that there was some type of shed/house/dwelling in the SW/4 of Section 13 – one of the Arrington employees went to the location shown on the map and has identified it as a broken down shed/barn. So, according to his notes the closest dwelling would be in the Lake Arthur area in the NW/4 of Section 19.

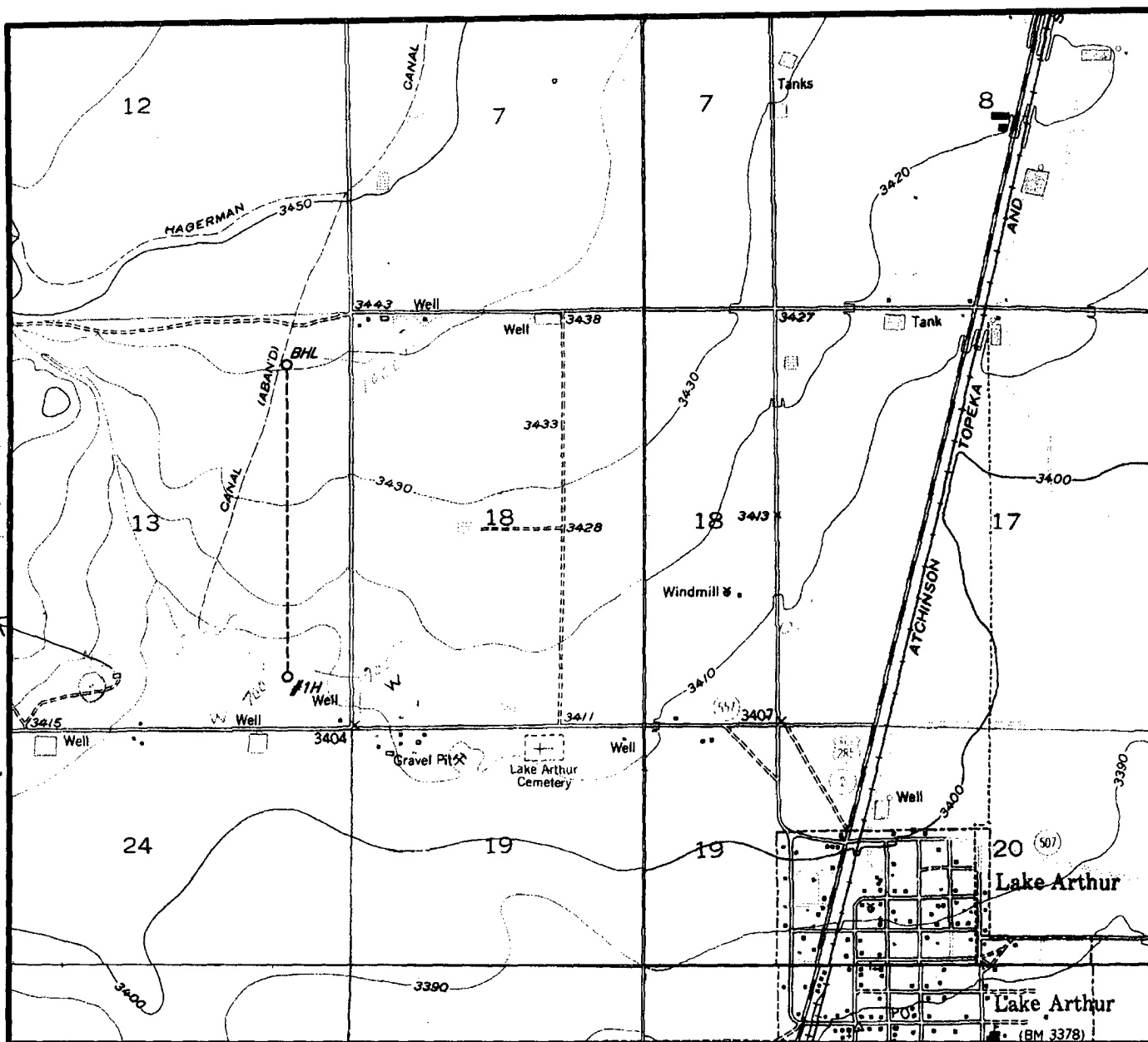
I have enclosed the H2S Operations Plan in the event these are required in the permitting of the referenced wells. Please let me know if you need any further information in order to permit the New Mexico Nail #1H and #2H as above.
Thank you.

Yours truly,



Ann E. Ritchie, Regulatory Agent
David H. Arrington Oil & Gas, Inc.
c/o P.O. Box 953
Midland, TX 79702
432 684-6381
ann.ritchie@wtor.net

Abandoned/wood pile/broken barn



CONTOUR INTERVAL 10'

LONG. LONG.: W 104.3893611

Closest
dwelling -
Lake Arthur -
NW 1/4 Sec 19

2903 N. BIG SPRING
MIDLAND, TX. 79705
(800) 767-1653

Hydrogen Sulfide Drilling Operations Plan

for

David H. Arrington Oil & Gas, Inc.'s

*New Mexico Nail #1H
660' FSL + 760' FEL (SL)
Section 13, T15S, R25E
Chaves County, NM*

ONE - Hydrogen Sulfide Training:

All personnel, whether regularly assigned, contracted or employed on an unscheduled basis, will receive training from a qualified instructor in the following areas prior to commencing drilling operations on this well:

- The hazards and characteristics of hydrogen sulfide (H₂S);
- The proper use and maintenance of personal protective equipment and life support systems;
- The proper use of H₂S detectors, alarms, warning systems, briefing areas, evacuation procedures, and prevailing winds; and,
- The proper techniques of first aid and rescue procedures.

In addition, the supervisory personnel will be trained in the following areas;

- The effects of H₂S on metal components. If high tensile tubulars are to be used, personnel will be trained in their special maintenance requirements;
- Corrective action and shut-in procedures when drilling or reworking a well and blowout prevention and well control procedures.
- The contents and requirements of the H₂S Drilling Operations Plan.

There will be an initial training session just prior to encountering a known or probable H₂S zone (within 3 days or 500') and weekly H₂S and well control drills for all personnel in each crew. The initial training session shall include a review of the site specific H₂S Drilling Operations Plan. This plan shall be available at the well site. All personnel will be required to carry documentation that they have received the proper training.

TWO - H₂S Safety Equipment and Systems:

NOTE: All H₂S safety equipment and systems will be installed, tested, and operational when drilling reaches a depth of 500 feet above, or, three days prior to penetration of the first zone containing, or reasonably expected to contain, H₂S.

1. Well Control Equipment:

- Flare line with flare igniter;
- Choke manifold with one remote hydraulic choke installed;
- Blind rams and pipe rams to accommodate all pipe sizes with properly sized closing unit;
- Auxiliary equipment to include an Annular Preventer.

2. Protective equipment for essential personnel:

- The designated safety expert will provide 5-minute escape units located in the doghouse, and 30-minute air units at briefing areas.

3. H2S detection and monitoring equipment:

- Three portable H2S monitors will be positioned on location for the best coverage and response. These units have warning lights and audible sirens when triggered by H2S levels > 20 PPM.
- One portable SO2 monitor will be positioned near flare line during H2S flaring operations.

4. Visual warning systems:

- Wind direction indicators will be placed in accordance with the directives issued by the designated H2S expert.
- Caution/Danger signs shall be posted on roads providing direct access to the location. Signs will be painted a high visibility yellow with black lettering of sufficient size to be legible from the immediate location.

5. Mud Program:

- The mud program will minimize the volume of H2S circulated to the surface. Proper mud weight safe drilling practices, and, if necessary, the use of H2S scavengers will minimize hazards when penetrating H2S bearing zones.

6. Metallurgy:

- All drill strings, casing, tubing, wellhead, blowout preventers, drilling spools kill lines, choke manifold and line valves shall be suitable for H2S service.
- All elastomers used for packing and seals shall be H2S trimmed.

7. Communications:

- Radio and telephone communications will be available in company vehicles and rig doghouse.

8. Well Testing:

- Drill stem testing will be performed with a minimum number of personnel necessary to safely and adequately conduct the test. The drill stem testing of any known formation that contains H2S will be conducted during daylight hours.

Hydrogen Sulfide Drilling Operations Plan

for

David H. Arrington Oil & Gas, Inc.'s

*New Mexico Nail, #2 H
Section 13, T15S, R25E; 400' FSL & 1880' FWL (SL)
Chaves County, New Mexico*

ONE - Hydrogen Sulfide Training:

All personnel, whether regularly assigned, contracted or employed on an unscheduled basis, will receive training from a qualified instructor in the following areas prior to commencing drilling operations on this well:

- The hazards and characteristics of hydrogen sulfide (H₂S);
- The proper use and maintenance of personal protective equipment and life support systems;
- The proper use of H₂S detectors, alarms, warning systems, briefing areas, evacuation procedures, and prevailing winds; and,
- The proper techniques of first aid and rescue procedures.

In addition, the supervisory personnel will be trained in the following areas;

- The effects of H₂S on metal components. If high tensile tubulars are to be used, personnel will be trained in their special maintenance requirements;
- Corrective action and shut-in procedures when drilling or reworking a well and blowout prevention and well control procedures.
- The contents and requirements of the H₂S Drilling Operations Plan.

There will be an initial training session just prior to encountering a known or probable H₂S zone (within 3 days or 500') and weekly H₂S and well control drills for all personnel in each crew. The initial training session shall include a review of the site specific H₂S Drilling Operations Plan. This plan shall be available at the well site. All personnel will be required to carry documentation that they have received the proper training.

TWO - H₂S Safety Equipment and Systems:

NOTE: All H₂S safety equipment and systems will be installed, tested, and operational when drilling reaches a depth of 500 feet above, or, three days prior to penetration of the first zone containing, or reasonably expected to contain, H₂S.

1. Well Control Equipment:

- Flare line with flare igniter;
- Choke manifold with one remote hydraulic choke installed;
- Blind rams and pipe rams to accommodate all pipe sizes with properly sized closing unit;
- Auxiliary equipment to include an Annular Preventer.

2. **Protective equipment for essential personnel:**
 - The designated safety expert will provide 5-minute escape units located in the doghouse, and 30-minute air units at briefing areas.
3. **H2S detection and monitoring equipment:**
 - Three portable H2S monitors will be positioned on location for the best coverage and response. These units have warning lights and audible sirens when triggered by H2S levels > 20 PPM.
 - One portable SO2 monitor will be positioned near flare line during H2S flaring operations.
4. **Visual warning systems:**
 - Wind direction indicators will be placed in accordance with the directives issued by the designated H2S expert.
 - Caution/Danger signs shall be posted on roads providing direct access to the location. Signs will be painted a high visibility yellow with black lettering of sufficient size to be legible from the immediate location.
5. **Mud Program:**
 - The mud program will minimize the volume of H2S circulated to the surface. Proper mud weight safe drilling practices, and, if necessary, the use of H2S scavengers will minimize hazards when penetrating H2S bearing zones.
6. **Metallurgy:**
 - All drill strings, casing, tubing, wellhead, blowout preventers, drilling spools kill lines, choke manifold and line valves shall be suitable for H2S service.
 - All elastomers used for packing and seals shall be H2S trimmed.
7. **Communications:**
 - Radio and telephone communications will be available in company vehicles and rig doghouse.
8. **Well Testing:**
 - Drill stem testing will be performed with a minimum number of personnel necessary to safely and adequately conduct the test. The drill stem testing of any known formation that contains H2S will be conducted during daylight hours.

New Mexico Office of the State Engineer
POD Reports and Downloads

Township: 15S Range: 25E Sections: 13
NAD27 X: 482825 Y: 731179 Zone: C Search Radius: 0.5
County: CH Basin: Number: Suffix:
Owner Name: (First) (Last) Non-Domestic Domestic All
POD / Surface Data Report Avg Depth to Water Report Water Column Report
Clear Form iWATERS Menu Help

WATER COLUMN REPORT 03/08/2006

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are biggest to smallest)

POD Number	Tws	Rng	Sec	q	q	q	Zone	X	Y	Depth Well	Depth Water	Water Column
RA 09291	15S	25E	13	1	1	1				250	100	150
RA 06251	15S	25E	13	2	4	4				160	55	105
RA 00233 CLW206250	15S	25E	13	3	3	4						
RA 00233 CLW206181	15S	25E	13	3	4	3				990		
RA 00523	15S	25E	13	4	4					992		
RA 02349	15S	25E	13	4	4	4				100		

Record Count: 6