District I

1625 N. French Dr., Hobbs, NM 88240

District II

1301 W. Grand Avenue, Artesia, NM 882

District III

1000 Rio Brazos Road, Aztec, NM 87410

District IV

1220 S. St. Francis Dr., Santa Fe, NM 8750

State of New Mexico

Energy Minerals and Natural Resources Submit to appropriate District Office Oil Conservation Division APR - 5 2007

Form C-101 May 27, 2004

1220 South St. Francis Dr. ARTESA MM Santa Fe, NM 87505

☐ AMENDED REPORT

APPL	ICATI	ON FO	R PERMIT	TO DRI	LL, RE-l	ENTER,	, DEEP	EN	, PLUGBA	CK, OI	R AD	D A ZONE	
Operator Name and Address									2 OGRID Number				
Hanson Operating Company, Inc. P. O. Box 1515, Roswell, NM 88202-151									30 – 005-62798				
³ Property Code ³ Property 1													
0	04992	-	9 Duon and D1.1	—	<u>McBride</u>	State			10 D	1D10	#	3	
⁹ Proposed Pool 1 Diablo Wolfcamp									·· Prop	osed Pool 2			
⁷ Surface Location													
UL or lot no.	Section 28	Township 10S	Range 27E	Lot Idn	Feet fro				Feet from the 2310'	East/West line East		County Chaves	
			⁸ Propo	sed Bottom	Hole Locat	tion If Diff	ferent Fro	m S	Surface				
UL or lot no.	Section	Township	Range	Lot Idn			Iorth/South lin	orth/South line Feet from the		East/West line		County	
				Addi	tional We		nation						
			Well Type Coo			e/Rotary	lotary 14 I		Lease Type Code S		15 Ground Level Elevation 3810' GR		
¹⁶ M	ultiple	17 Proposed Dep 5950'		th	R 18 Formation Wolfcamp				19 Contractor		²⁰ Spud Date 4/16/2007		
Depth to Grou				Distance fro	om nearest fres		<u> </u>	Distance from nearest surface water					
Pit: Liner: Synthetic ☑ 112/mils thick Clay ☐ Pit Volume:bbbs Drilling Method:													
Close	d-Loop Sys	tem 🗌	21						Brine Di	esel/Oil-bas	sed 🗌	Gas/Air	
				Proposed	Casing a	ind Ceme	ent Prog	ran	n T		1		
Hole S		С	asing Size	Casing weight/foot			Setting Depth Sacks of Cem						
20'			16"				30'		Redin		Surface		
14 3/4" 10 3/4"		40.5#			920'		695		Surface				
9 5/8" 7"		23# - 26#			348'		1900		Surface one and proposed new productive zone.				
			If this application rogram, if any. Use				ne data on th	ne pr	esent productive z	one and pr	oposed :	new productive zone.	
Propose to recomplete and test as follows:													
 MIRU. Install BOP. Drill out plugs set at surface to 60', 814'- 964', 2493' - 2634', 4544' - 4744', 5474' - 5624'. Drill out to 5950'. Circulate hole clean with 250 barrels of powdered 2% KCL water. Run gamma ray log and collar locator to correlate depth. Perforate Wolfcamp formation with 37 holes from 5572'-5900'. Acidize with 4,200 gallons acid. Swab test. If productive, place on production. If non-productive, evaluate up-hole potential. 													
Work only NSL required to preduce.													
23 I hereby certify that the information given above is true and complete to the						OIL CONSERVATION DIVISION							
							by:						
an (attached) alternative OCD-approved plan .						BRYAN G. ARRANT							
Signature: Carol I Schith						DISTRICT II GEOLOGIST							
Printed name: Carol J. Sthith						Title:	Date: APF) 1	0.2007		ΔDD	2 1 0 2008	
Title: Production Analyst						Approval	Date:	, <u>†</u>	0 2007 E	expiration I	Jate!	עטטצ ע די ע	
E-mail Address: hanson@dfn.com Date: 4/4/2007 Phone: 505-622-7330					Conditions of Approval Attached								
Date: 4/4	44001		Phone: 5	UJ-U44-1.		Conditions	o or wbbion	ai Al	acticu 🔽				

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

12 Dedicated Acres

320

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

¹ API Number

30-005-62798

13 Joint or Infill

State of New Mexico

Minerals & Natural Resources Department

L CONSERVATION DIVISION

1220 South St. Francis Dr.

Santa Fe, NM 87505

² Pool Code

76053

15 Order No.

Consolidation Code

Form C-102

Revised October 12, 2005 Submit to Appropriate District Office

Month - Year

Pool Name Diablo Wolfcamp

APR - 5 2007

OCD - ARTESIA

State Lease - 4 Copies

Fee Lease - 3 Copies

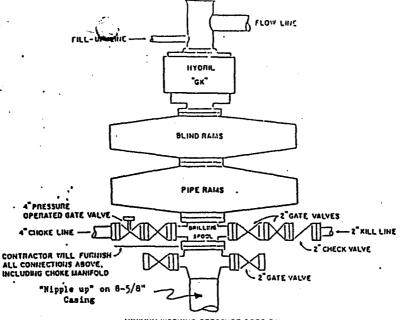
☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICA

⁴ Property Code			⁶ Well Number							
00499	2		#3							
OGRID No.			⁹ Elevation							
00997	4		3810' GR							
					¹⁰ Surface	Location				
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East	/West line	County
G	28	10 South	27 East		1675	North	2310		East	Chaves
			¹¹ Bot	ttom Hol	e Location It	Different From	m Surface			
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East	/West line	County

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.

28	1675'	23/0'	17 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a woluntary pooling agreement or a compulsory pooling order heretofore entered by the division. Signature Carol J. Smith Printed Name
			18SURVEYOR 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. September 22, 1990 Date of Survey Signature and Scal of Professional Surveyor: Refer to Original Plat P. R. Patton, #8112 Certificate Number



MINIMUM WORKING PRESSURE 3000 PSI

CONTRACTED TO FURNISH

- 1. ALL EQUIPMENT ABOVE CASING HEAD HOUSING INCLUDING CHOKE MANIFOLD.
- 2. INDEPENDENT AUTOMATIC ACCUMULATOR 3000 PSI WP.
- 3. B.O.P. CONTROLS TO BE LOCATED HEAR DRILLER'S POSITION AND AT SAFE DISTANCE FROM THE WELL.
- 4. SPARE SET PIPE RAMS TO FIT PIPE IN USE.

COMPANY TO FURNISH

- 1. WELLHEAD EQUIPMENT.
- 2. WEAR BUSHING, IF REQUIRED.

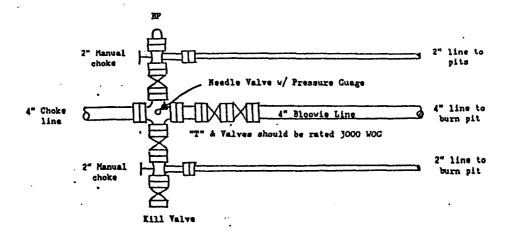
GENERAL HOTES

- 1. ALL VALVES, PIPING, FLANGES ETG, MUST HAVE MINIMUM WORKING PRESSURE COUAL TO WORKING PRESSURE OF PREVENTERS, VALVES MUST BE OF THE FULL OPENING TYPE.
- 2. CONTROLS TO DE OF STANDARD DESIGN AND EACH MARKED SHOWING OPEN AND CLOSED POSITION.
- 3. CHOKE MANIFOLD AS SHOWN IN APP. 18 AND 19 REPLACABLE PARTS AND WRENCHES TO BE CONVENIENTLY LOCATED FOR IMMEDIATE USE.
- 4. ALL VALVES TO BE EQUIPPED WITH HANDWHEELS.
- S. CHOKE LINES MUST BE SUITABLY ANCHORED.
- 6. DEVIATIONS FHOM THIS DRAWING MAY BE MADE ONLY WITH THE PERMISSION OF THE COMPANY.

MINIMUM BLOWOUT PREVENTER REQUIREMENTS

HORMAL PRESSURE SERVICE

CHOKE MANIFOLD SETUP



The above Manifold Bookup Design will meet minimum requirement by the Operator. Drilling Contractor to supply choke line and choke manifold. Operator to supply downstream lines from manifold assembly to pits.

H₂S CONTINGENCY PLAN FORM C-101 APPLICATION FOR PERMIT TO DRILL HANSON OPERATING COMPANY, INC. McBRIDE STATE #3 1675' FNL & 2310' FEL SECTION 28-10S-30E CHAVES COUNTY, NEW MEXICO

Hydrogen Sulfide is not typically encountered in the Wolfcamp formation in this area. However, appropriate precautions will be taken as outlined below:

- A. 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:
 - 1. The hazards and characteristics of hydrogen sulfide (H_2S) .
 - 2. The proper use and maintenance of personal protective equipment and life support systems.
 - 3. The proper use of H₂S detectors, alarms, warning systems, briefing areas, evacuation procedures and prevailing winds.
 - 4. The proper techniques for first aid and rescue procedures.
- B. In addition, supervisory personnel will be trained in the following areas:
 - 1. The effects of H₂S on metal components. If high tensile tubulars are to be used, personnel will be trained in their special maintenance requirements.
 - 2. The corrective action and shut-in procedures when drilling or reworking a well, and blowout prevention and well control procedures.
 - 3. The contents and requirements of the H₂S Drilling

Operations Plan and the Public Protection Plan.

- 4. An initial training session will be held prior to encountering a known or probable H₂S zone (within 3 days or 500 feet) with 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 and the Public Protection Plan. This plan shall be available at the wellsite. All personnel will be required to carry documentation verifying that they have received proper training.
- C. 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 penetrating the first zone containing or reasonably expected to contain H₂S.
- D. Well Control Equipment shall include the following:
 - 1. Flare line with electronic igniter or continuous pilot.
 - 2. Choke manifold with a minimum of one remote choke.
 - 3. Blind rams and pipe rams to accommodate all pipe sizes with properly sized closing unit.
 - 4. Auxiliary equipment to include annular preventer, mud-gas separator, rotating head and flare run with flares.
- E. Protective equipment for essential personnel shall include the following:
 - 1. Pressure-Demand type Self Contained Breathing Apparatus (SCBA) 30 minute units located in the dog house and at briefing areas, as indicated on the wellsite diagram.
- F. H₂S detection and monitoring equipment shall include the following:
 - 1. Two portable H₂S monitors positioned on location for best coverage and response. The units shall have warning lights

and audible sirens in the event H_2S levels of 20 ppm are detected.

- 2. One portable SO₂ monitor positioned near flare line.
- G. Visual warning systems shall include the following:
 - 1. Wind direction indicators at entrance to wellpad and on drilling rig.
 - 2. Caution/Danger signs shall be posted on roads providing direct access to location. Signs shall be painted a high visibility yellow with black lettering of sufficient size to be readable at a reasonable distance from the immediate location. Bilingual signs will be used, when appropriate.

Arrant, Bryan, EMNRD

From:

Carol [hanson@dfn.com]

Sent:

Tuesday, April 10, 2007 10:54 AM

To:

Arrant, Bryan, EMNRD

Subject: RE: McBride State # 3/API # 30-005-62798

Bryan,

Please find attached the requested H2S Contingency Plan.

As per our discussion, I am working with Santa Fe to file the NSL.

Upon your approval, we would like to move in as soon as possible to start drilling out the plugs. We have a rig available today.

If you have any questions, please let me know.

Thanks, Carol Smith Production 505-622-7330

From: Arrant, Bryan, EMNRD [mailto:bryan.arrant@state.nm.us]

Sent: Monday, April 09, 2007 9:11 AM

To: Hanson@dfn.com

Cc: Brooks, David K., EMNRD; Ezeanyim, Richard, EMNRD

Subject: Mcbride State # 3/API # 30-005-62798

Dear Carol Smith or To Whom It May Concern:

In order to further my review in the above noted well, please submit the following:

The NSL # approval from Santa Fe for a non-standard location for a Wolfcamp gas well recompletion.

A h2s well contingency plan that meets the requirements of NMOCD Rule 118. If in your review such a plan is no required per/NMOCD Rule 118, please submit a letter of statement.

Yours truly,

Bryan G. Arrant District II Geologist NMOCD-Artesia 505-748-1283 ext. 103

CC: Well file

4/10/2007

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