District I

1625 N. French Dr., Hobbs, NM 88240

District II

1301 W. Grand Avenue, Artesia, NM 88210

1000 Rio Brazos Road, Aztec, NM 87410

District IV

State of New Mexico **Energy Minerals and Natural Resources**

Form C-101 May 27, 2004

Oil Conservation Division 1220 South St. Francis Dr.

RECEIVED mit to appropriate District Office

AMENDED REPORT

1220 S. St. Francis Dr., Santa Fe, NM 87505 Santa						Fe, NM	8750	05	SEP	1 4 /00	14 –	- Au	MENDED REFO	
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MYCO II	NDUSTR	IES, INC			-33					0154	45			
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			8 Prop	osed Bott	om Ho	le Locat	tion If Dif	feren	t From	Surface				
UL or lot no.	Section	Township	Range	Lot I		Feet fro			outh line	Feet from	n the	East/Westi	ine	County
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Close	ed-Loop Syst	tem 🗌					E	resh W	Vater 🛚	Brine 🛚	Diesel/O	l-based	Gas/A	Air 🗆
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12-1/4"		9-5/8"		40#	40# 4500		4500'			1000 SXS				ULATE
8-3/4"		5-1/2"		17#	17# 13400		13400')'		2000 SXS		2	2000'	
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Describe the	olowout pre	vention prog	Jan, n any. Osc	auuttonas	inceis ii	necessary	•							
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			ngiven above is to er certify that the				OIL CONSERVATION DIVISION							
constructed	according t	to NMOCD	guidelines , a				Approved	by:		_			- '	
an (attached) alternativ	e OCD-app	roved plan 🛛.			_, 		-,			na. a	**************************************	0 D. E.	
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E-mail Addre	ss: anmun	су@тусо	inc.com			ļ								200
Date: 09/	14/2004		Phone:	(505)748-	4290		Condition	sof Ar	oproval A	ttached \Box				

APPLICATION FOR DRILLING - PROCEDURE

MYCO INDUSTRIES, INC. SALT DRAW 15 STATE COM #1 S15-T25S-R28E 660' FNL & 660' FEL Ground Elevation – 2974'

In conjunction with Form C-101, Application for Permit to Drill subject well, Myco Industries, Inc. submits the following items of pertinent information in accordance with OCD procedures:

- 1. The geologic surface formation is Quaternary alluvium and other surficial deposits.
- 2. The estimated tops of geologic markers are:

Surface
880
2440
2510
6190
7080
7365
9590
11665
11680
11715
11775
11905
11975
11985
12355
13355
13400

3. The estimated depths at which oil or gas formations are anticipated to be encountered: Water: Surface water between 100 to 200 feet
Oil: Anticipate potential oil in the Bone Spring formation at approximately 7100 feet
Gas: Anticipate gas in the Atoka formation and Morrow formation

4. Proposed Casing Program

HOLE SIZE	CASING	WEIGHT	GRADE	JOINT	DEPTH	CEMENT
17 ½"	13 3/8"	48#	H-40	ST&C	450'	Circ 400 sxs HLC&Prm Plus
12 ¼"	9 5/8"	40#	K-55	LT&C	4500'	Circ 1000 sxs HLC&Prm Plus
8 3/4"	5 1/2"	17#	N-80	LT&C	13400'	2000 sxs 50/50 Poz. TOC 2000
		17#	P-110	Hvd 511	(htm 3000)	

^{*}NOTE: Will run fluid caliper on surface and intermediate.

Optional: If pressure encountered in Wolfcamp will run 7" string to surface as stated below, and then run a 5" liner.

HOLE SIZE	CASING	WEIGHT	GRADE	JOINT	DEPTH	CEMENT
8 3/4"	7"	29#	N-80	Hyd.511	11665'	1300 sxs 50/50 Poz. TOC 2000
6 1/4"	5"	20#	P-110	Hyd.511	13400'	TOL 11300 200 sxs Class H

5. Minimum Specifications for Pressure Control Equipment

A 13 5/8" 10,000 psi WP Shaffer, LWS Double Gate BOP will be installed on the 9 5/8" casing and tested as per Onshore Oil and Gas Order #2 as a 3000 psi system. An annular preventer will be installed on the 13 3/8" casing to drill to the 2500 depth. The casing and BOP will be tested before drilling out with the 8 3/4" bit.

6. Mud Program:

DEPTH	DESCRIPTION	MUD WEIGHT	VISCOSITY	W/L CONTROL
0-450'	Native Mud	8.4-9.0 ppg	32-36	None
450-2490'	Brine	9.5-10.0 ppg	32-36	None
2490-11500'	Cut Brine	9.0-10.0 ppg	28-32	None
11500-13400'	Cut Brine	10.0-10.3 ppg	32-36	< 10cc

7. Auxiliary Equipment: Mud Gas Seperator, Blowout Prevener, flow sensors and stabbing valve.

8. Testing Program:

Drill Stem tests: None unless conditions warrant. Logging: 13,400 to 2,500': DLL, CNL-HDT, GR

Surface to 2,500': CNL with GR Coring: Sidewell Cores if dictated by logs.

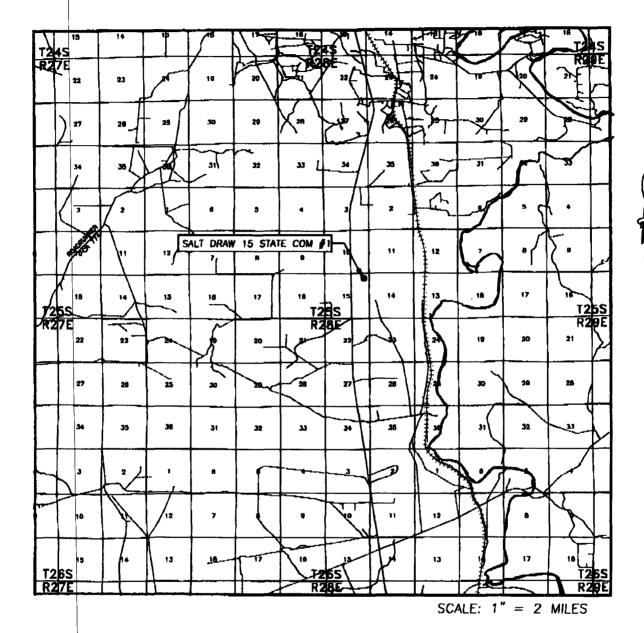
9. Notify NMOCD – Artesia prior to spud, running surface casing, running intermediate casing and running long string casing.

10. Notify NMOCD – Artesia prior to pit construction.

State of New Mexico

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DISTRICT II 101 V. CAMB ATMER, A DISTRICT III	Philippier (Chr.)	-6319		1990 C	ATITH ST. F	ON DIVISI RANCIS DR. Rico 87505		State Lease	- 4 Copies - 3 Copies	
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VICINITY MAP

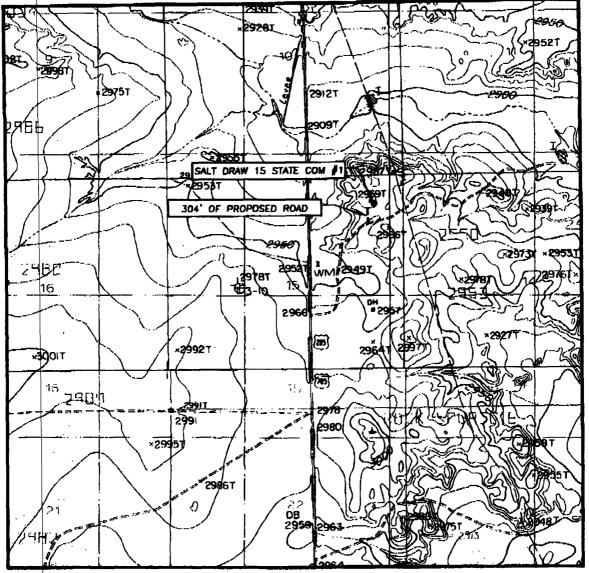


SEC. 15 TWP. 25-S RGE. 28-E SURVEY_____N.M.P.M. COUNTY EDDY DESCRIPTION 660' FNL & 660' FEL ELEVATION 2974' OPERATOR INDUSTRIES, INC.

LEASE SALT DRAW 15 STATE COM

JOHN WEST SURVEYING COMPANY (800) 300-8117

LOCATION VERIFICATION MAP



SCALE: 1" = 2000'

MALAGA, N.M.

CONTOUR INTERVAL: MALAGA, N.M. - 10'

SEC. 15 TWP. 25-S RGE. 28-E SURVEY N.M.P.M. COUNTY____EDDY DESCRIPTION 660' FNL & 660' FEL ELEVATION____ 2974 OPERATOR INDUSTRIES, INC. LEASE SALT DRAW 15 STATE COM U.S.G.S. TOPOGRAPHIC MAP







NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

BILL RICHARDSON
Governor

Joanna Prukop
Cabinet Secretary
Acting Director
Oil Conservation Division

15 April 2004

Yates Petroleum Corporation Et Al Yates Petroleum Corp. 105 South 4th Street Artesia, New Mexico 88210

RE:

General Plan for Pits Submitted 4-14-04.

Dear Mr. Dolan

The Oil Conservation Division of Artesia is in receipt of your plan. The plan is hereby accepted and approved with the following provisions:

- 1. Approval of plan does not permit pits in any watercourse, lakebed, sinkhole, playa lake, or wetland. (19.15.2.50.C.2.a.)
- 2. Pits in groundwater sensitive areas or wellhead protection areas may be subject to additional measures or may not be allowed. This will be on site specific, case-by-case basis. (19.15.2.50.C.2.a.)
- 3. All pit encapsulations must meet all specific criteria including, but not limited to, site evaluation, liner thickness, and/or amount of and type of cover.
- 4. The Division may attach additional conditions to any permit upon a finding that such conditions are necessary to prevent the contamination of fresh water, or to protect public health or the environment. (19.15.2.50.C.3.G.1.)
- 5. Notify the Artesia O.C.D. 48 hours prior to the closing of any storage or production pit.
- 6. Notify the Artesia O.C.D. 48 hours prior to any sampling event.
- 7. Re-seeding mixture will be approved or authorized by surface owner.

If I can be of any further assistance, please feel free to call (505) 748-1283 ext. 109.

Sincerely

Van Barton

MARTIN YATES, III 1912 - 1985 FRANK W. YATES 1936 - 1986



105 SOUTH FOURTH STREET ARTESIA, NEW MEXICO 88210-2118

TELEPHONE (505) 748-1471

S. P. YATES
CHAIRMAN OF THE BOARD
JOHN A. YATES
PRESIDENT
PEYTON YATES

PEYTON YATES
EXECUTIVE VICE PRESIDENT
RANDY G. PATTERSON
SECRETARY
DENNIS G. KINSEY

TREASURER

April 14, 2004

Oil Conservation Division State of New Mexico Attn: Mr. Van Barton 1301 W. Grand Ave. Artesia, NM 88210

Re: General Plan

Pit design and operation, Drilling Workover, and Blowdown.

Companies included in this plan are:

- 1. Yates Petroleum Corporation
- 2. Yates Drilling Company
- 3. Abo Energy Company
- 4. Myco Industries
- 5. Agave Energy Company

Yates Petroleum Corporation Et Al is requesting approval to construct, use and close the above described pits, as per the attached diagrams the aforementioned pits will be lines as required, according to the rules and guidelines as set forth in Pit Rule 50.

The attached diagrams are standard pits used on all Yates Petroleum Et Al drilling and workover operations, minor changes may be needed from time to time to work safely with the terrain and environmental conditions on a site-specific basis.

All pits will be constructed to prevent contamination of fresh waters, human health, and the environment.

During operations, all pits will be fenced as required to maintain safety for livestock and wildlife.

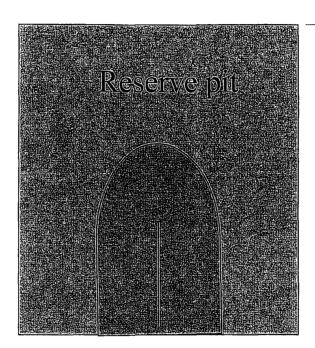
When the pit is no longer used, it will be closed according to all applicable rules of the OCD, and all required reports will be submitted at that time.

If we can be further assistance, please feel free to call (505) 748-4181.

Sincerely,

Yates Petroleum Corporation

Dariel W. Dolan CWC Environmental Field Tech.



Flare pit

Standard reserve pit. All Reserve pits are double Horse shoe size varies with depth of well

Figure "A"

Built with Dozer 2-Blades wide 60' Long 4' or 5' Deep

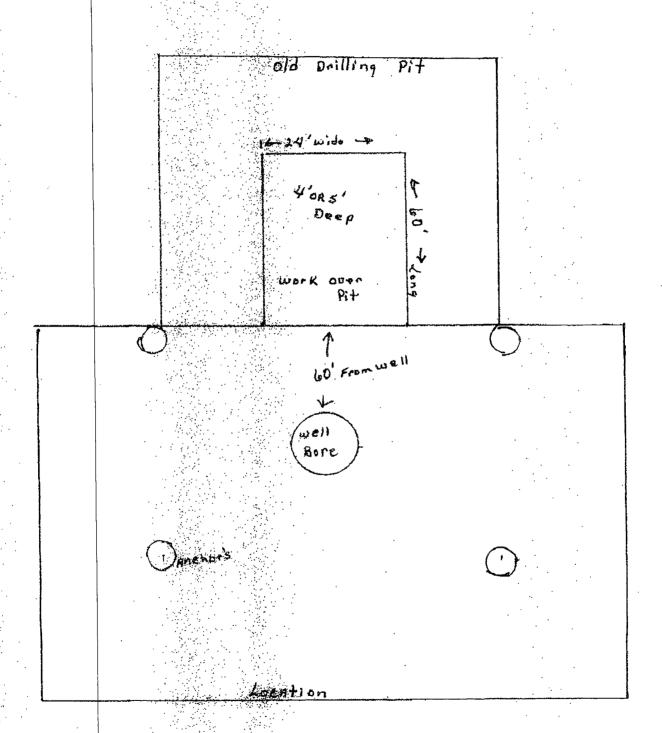


Figure "B"

Built with Dozier
18lade wide
60' Long
4' to 5' Deep

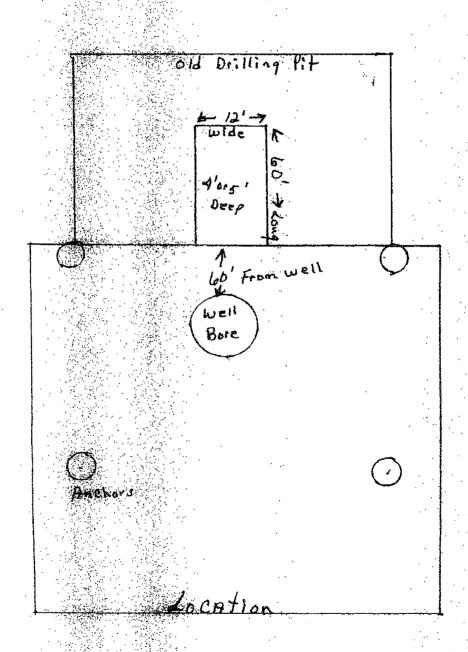
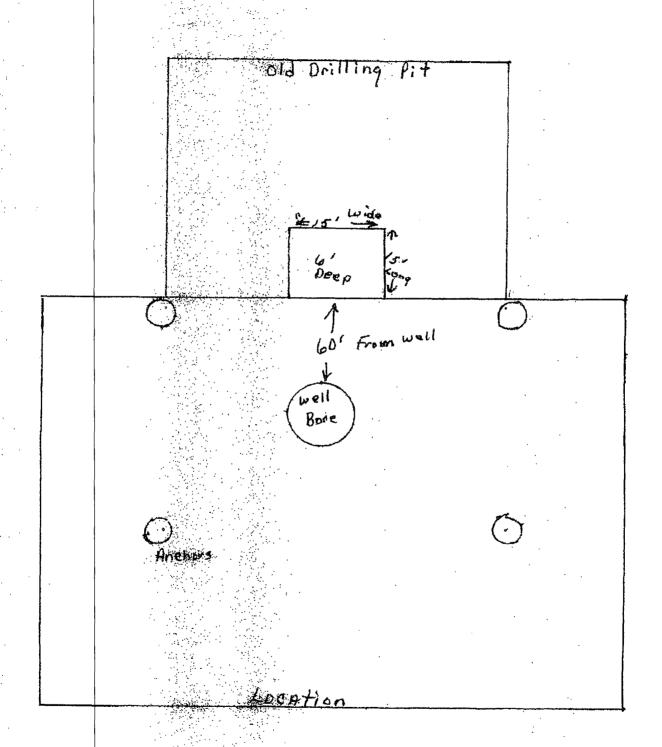


Figure "C"

Built with Backhoe

15' X 15' X 6'

Long - wide - Deep





MYCO INDUSTRIES, INC.

OIL PRODUCERS

POST OFFICE BOX 840 ARTESIA, NEW MEXICO 88211-0840 Phone (505) 748-1471

September 14, 2004

Via Hand Delivery

New Mexico Oil Convervation Division Bryan Arant 1301 W. Grand Artesia, New Mexico 88210

F

RECEIVED
SEP 1 4 2004
OCD-ARTESIA

Re:

Myco Industries, Inc. Salt Draw 15 State Com #1 H2S Contingency Plan

Dear Mr. Arrant:

Sources at Myco Industries, Inc. have relayed information to me that they believe there will not be enough H2S found from the surface through the Morrow Formation to meet the OCD's minimum requirements for the submission of a contingency plan per Rule 118.

Please note that I have enclosed our Contingency Plan for this well based on a remote chance that Rule 118 might become applicable.

Thank you,

MYCO INDUSTRIES, INC.

A.N. Muncy, PELS

Operations/Engineering Manager

ANM:hp Enclosure

Myco Industries, Inc.

423 W. Main Street Artesia, NM 88210

Hydrogen Sulfide (H₂S) Contingency Plan

For

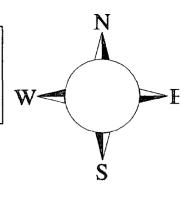
Salt Draw 15 State Com #1

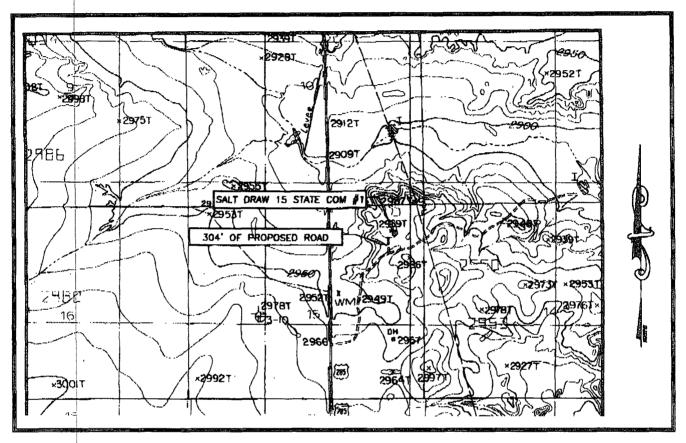
660' FNL, 660' FEL Sec-15, T-25S, R-28E Eddy County NM

SEP 1 4 2004
OCD-AHTESIA

Salt Draw 10 State Com #1 Location

This is an open drilling site. H₂S monitoring equipment and emergency response equipment will be used within 500' of zones known to contain H₂S, including warning signs, wind indicators and H₂S monitor.





Assumed 100 ppm ROF = 2000° 100ppm HAS concentration shall defeger activation of this plan-

Emergency Procedures

In the case of a release of gas containing H₂S, the first responder(s) must isolate the area and prevent entry by other persons into the 100 ppm ROE. Additionally the first responder(s) must evacuate any public places encompassed by the 100 ppm ROE. First responder(s) must take care not to injure themselves during this operation. Company and/or local officials must be contacted to aid in this operation. Evacuation of the public should be beyond the 100 ppm ROE.

All responders must have training in the detection of H_2S , measures for protection against the gas, equipment used for protection and emergency response. Additionally, responders must be equipped with H_2S monitors and air packs in order to control the release. Use the "buddy system" to ensure no injuries during the response.

Ignition of Gas Source

Should control of the well be considered lost and ignition considered, take care to protect against exposure to Sulfur Dioxide (SO₂). Intentional ignition must be coordinated with the NMOCD and local officials. Additionally the NM State Police may become involved. NM State Police shall be the Incident Command on scene of any major release. Take care to protect downwind whenever there is an ignition of the gas

Characteristics of H₂S and SO₂

Common Name	Chemical Formula	Specific Gravity	Threshold Limit	Hazardous Limit	Lethal Concentr- ation
Hydrogen Sulfide	H ₂ S	1.189 Air = 1	10 ppm	100 ppm/hr	600 ppm
Sulfur Dioxide	SO₂	2.21 Air = 1	2 ppm	N/A	1000 ppm

Contacting Authorities

Myco personnel must liaison with local and state agencies to ensure a proper response to a major release. Additionally, the OCD must be notified of the release as soon as possible but no later than 4 hours. Agencies will ask for information such as type and volume of release, wind direction, location of release, etc. Be prepared with all information available. The following call list of essential and potential responders has been prepared for use during a release. Myco Company response must be in coordination with the State of New Mexico's 'Hazardous Materials Emergency Response Plan' (HMER)

Myco Industries, Inc. Phone Numbers

Myco Office	
Nelson Muncy/Operations Engineering Manager	
Contin Delitar/Fill Foreigner	(505) 308-3502
Craig Bailey/Field Engineer	
Artesia Answering Service	(303) 306-3414
(During non-office hours)	(303) 140-1302
Agency Call List	
Eddy County (505)	
Artesia	
State Police	
City Police	
Sheriff's Office	
Ambulance	
Fire Department	
LEPC (Local Emergency Planning Committee)	
NMOCD	/48-1283
Carlsbad	
State Police	885-3137
City Police	885-2111
Sheriff's Office	887-7551
Ambulance	911
Fire Department	885-2111
LEPC (Local Emergency Planning Committee)	887-3798
US Bureau of Land Management	887-6544
New Mexico Emergency Response Commission (Santa Fe)	
24 HR	
New Mexico State Emergency Operations Center	(505) 476-9635
National Emergency Response Center (Washington, DC)	(800) 424-8802
Other	
Boots & Coots IWC1-800-256-9688 or (281) 931-8884	
Cudd Pressure Control(915) 699-0139 or (915) 563-3356	
Halliburton(505) 746-2757 B. J. Services(505) 746-3569	
Flight For Life 4000 24th St. Lukhook TV	206) 7/2 0011
Flight For Life -4000 24th St, Lubbock, TX	
Med Flight Air Amb 2301 Yale Blvd SE #D3, Albuq, NM(505) 842_4433
S B Air Med Svc 2505 Clark Carr Loop SE, Albuq, NM	
	000,012 1717