

Choke Manifold

OXY USA WTP LP OXY Marsh Hawk State #2 1980 FNL 1650 FWL SENW(F) SEC 21 T16S R32E Lea County, NM State Lease No. B-9683

PROPOSED TD: 12700' TVD

BOP PROGRAM: 0-600′ None

> 600-4500' 13-3/8" 3M annular preventer, to be used as

> > divertor only.

5M blind pipe rams with 5M annular 4500-12700'

preventer and rotating head below 8500'.

CASING: Surface: 13-3/8" OD 48# H40 ST&C new casing set at 600'

17-1/2" hole

Intermediate: 9-5/8" OD 36# K55 ST&C new casing from 0-4500'

12-1/4" hole

5-1/2" OD 17# N80-HP110 LT&C new casing from 0-12700' Production:

8-3/4" hole 9100'-N80 3600'-HP110

CEMENT: Surface - Circulate cement with 350sx HES light PP w/ 2% CaCl2

+ .25#/sx Flocele followed by 250sx PP w/ 2% CaCl₂ + .25#/sx Flocele.

Intermediate - Circulate cement with 1100sx IFC w/ .25#/sx Flocele followed by 200sx PP w/ 2% CaCl₂.

Production - Cement with 600sx Interfill H w/ .1% HR-7 followed by 400sx Super H w/ .5% HR-344 + .4% CFR-3 + 5#/sx Gilsonite + 1#/sx salt + .2% HR-7. Estimated top of cement is 8000'.

Note: Cement volumes may need to be adjusted to hole caliper.

MUD: 0-600' Fresh water/native mud. Lime for pH control

> (9-10). Paper for seepage. Wt 8.7-9.2 ppg, Vis 32-34 sec

600-4500'

Fresh/*Brine water. Lime for pH control (10.0-

10.5). Paper for seepage.

Wt 8.3-9.0/10.0-10.1ppg, Vis 28-29 sec *Fresh water will be used unless chlorides in

the mud system increases to 20000PPM.

Fresh water. Lime for pH control(9-9.5). Paper 4500-8700'

for seepage.

Wt 8.3-8.5 ppg, Vis 28-29 sec

8700-10000' Cut brine. Lime for pH control (10-10.5).

Wt 9.6-10.0 ppg, Vis 28-29sec

10000-12700' Mud up with an Duo Vis/Flo Trol mud system.

Wt 9.6-10.0ppg, Vis 32-36sec, WL<10cc

SPACING UNIT: N/2

ESTIMATED FORMATION TOPS: OXY Night Hawk St-1 - 3002537637 - 20-16S-32E Morrow-12391' Atoka-12010' Strawn-11738' Penn-10804' Wolfcamp-9102' San Andres-4204' Queen-1850'

SPUD DATE: 3/20/07

ARCH SURVEY: N/A

DIRECTIONS TO LOCATION: From the intersection of USH 82 and SH 249, go northwest on SH 249 for approximately 3.4 miles. The location is approx. 700' east.

WELLSITE LAYOUT: V-Door - East Pits - North

SURFACE OWNER: State of NM

LEASEE: Caswell Ranch, C/O Olane Caswell, 1702 Gillham Dr., Brownfield, TX 79316

LEASE RESPONSIBILTY STATEMENT: N/A

PRIVATE SURFACE OWNER'S AGREEMENT OR STATEMENT THAT AN AGREEMENT CONCERNING SURFACE USE: $\rm N/A$

NEAREST RESIDENCE OR OTHER STRUCTURE: None within 2 miles

SOURCE OF CONSTRUCTION MATERIALS - Caliche for surfacing the well pad will be obtained from onsite materials.

H₂S CONTINGENCY PLAN: 2/23/07

PIT PERMIT: 2/23/07

DIRECTIONAL SURVEY PLAN: N/A

OXY Permian Production and Plant Personnel OXY Permian Crisis Team Hotline Notification (713) 935-7210

PERSON	LOCATION	OFFICE	FAX	CELL	PAGER
Asset Management-Operations Areas					·
OXY Permian General Manager:	Houston	(281)	(281)	(713)	
Tom Menges	1	552-1147	552-1484	560-8038	
South Permian Asset:	Midland	(432)	(432)	(432)	
Matt Hyde		685-5802	685-5930	556-5016	
RMT/PMT Leaders: South Permian Asset	· 新加州				
Frontier RMT:	Midland	(432)	(432)	(432)	(432)
John Nicholas		685-5600			
			Medical of the Manager		
			- 483 - 344		
PERSON	LOCATION	OFFICE	FAX	CELL	PAGER
Production Coordinators: S. Permian Asset					
New Mexico: John Erickson	Hobbs	(505)	(505)	(505)	(505)
	·	393-2174	397-2671	, ,	370-6836
OXY OXY Permian Crisis 1	Permian HES Persor Feam Hotline Notifica		35-7210		

PERSON		LOCATION	OFFICE	FAX	CELL	PAGER
HES Coordinators 8	Area of Responsibility	The American State of the Control of	. * * * * * * * * * * * * * * * * * * *			A.S.
HES Techs & Area o	of Responsibility					<u> </u>
Hobbs RMT: Steve Bishop		Hobbs	(505) 397-8251	(505) 397-8204	(505) 390-4784	(877) 339-1954- 1118#
Frontier-New Mexico: Rick Kerby		Hobbs	(505) 393-2174	(505) 393-2671	(505) 390-8639	(505) 370-6527

OXY PERMIAN DOWNHOLE SERVICES GROUP

	LOCATION	OFFICE	HOME	CELL	PAGER
Manager Operations S	upport				
Hardesty, Steve	Midland	432-685-5880	432/694-6441	713-560-8095	
Team Leader			n a distinct in Section 1985.		
Thompson, Tommy	Midland	432-685-5877	432/699-4383	432-664-4214	
Operations Specialists		Mga pring ji Reyali ili ka			
Fleming, Joe	Midland	432-685-5858	432/699-0875	432-425-6075	
HES Tech					
Maciula, Pete	Midland	432-685-5677			