APPROVED BY __

CONDITIONS OF APPROVAL, IF ANY:

SUBMIT IN TRIPLICATE* (Other instructions on

Form approved.
Budget Bureau No. 42-R1425.

UNITED STATES

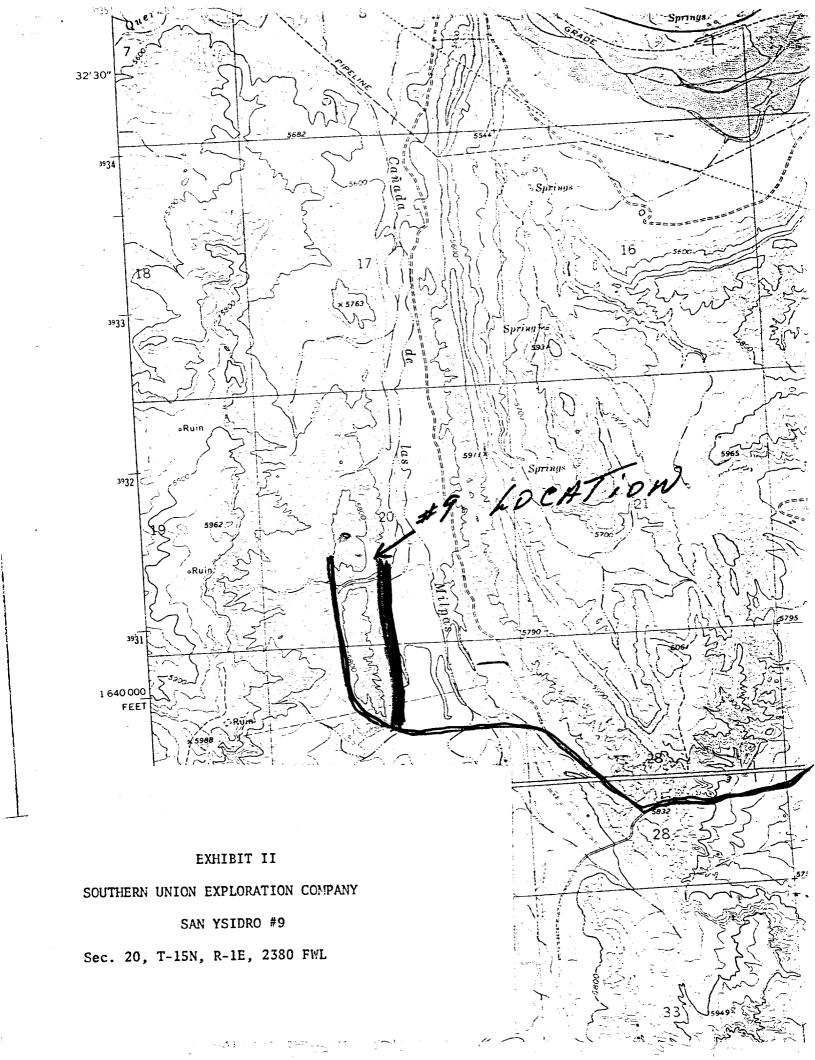
(Other instructions on reverse side)

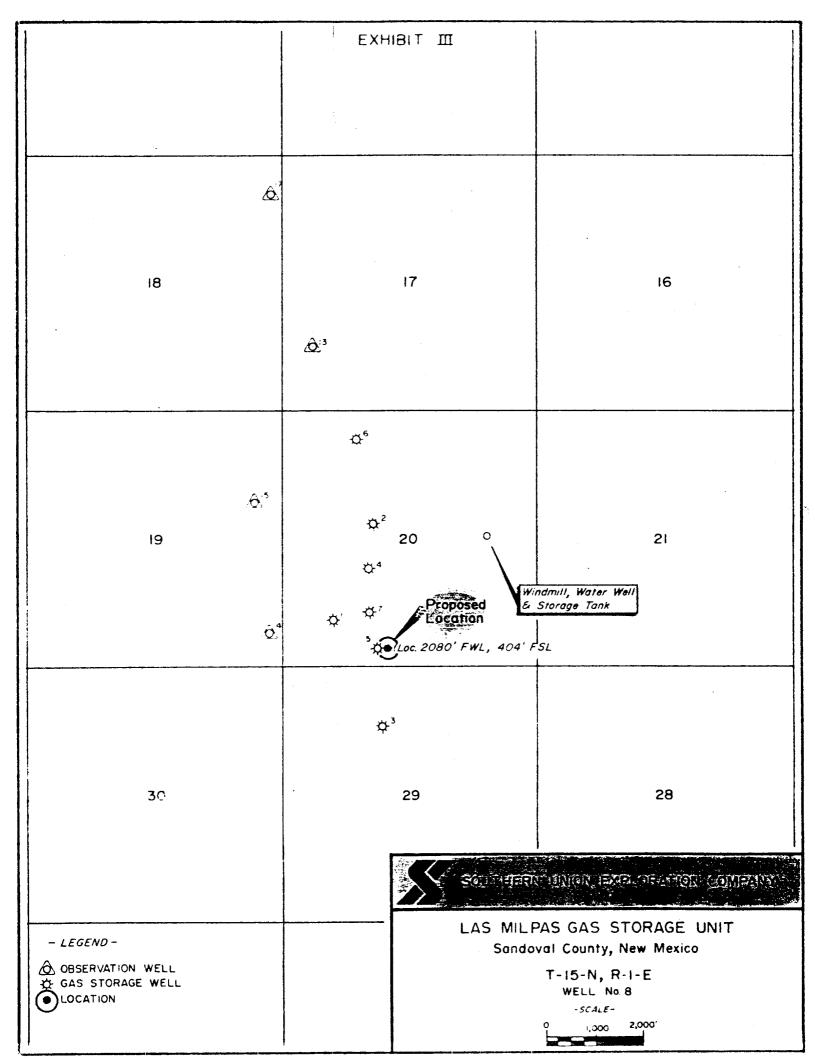
	<u> </u>								
	5. LEASE DESIGNATION AND SERIAL NO.								
A DDI ICATION	14-08-0001-12395 6. IF INDIAN, ALLOTTEE OR TRIBE NAME								
	Y FOR PERMIT T	O DRILL, I	JEEPE	IN, OR PLUG E	ACK				
1a. TYPE OF WORK DRI	7. UNIT AGREEMENT NAME								
b. TYPE OF WELL	Las Milpas Gas Storage								
WELL G.	S. FARM OR LEASE NAME								
2. NAME OF OPERATOR	San Ysidro								
Southern Unio	\$ 95								
First Interna	10. TIBLD AND POOL, OR WILDCAT								
4. LOCATION OF WELL (R	Wildcat Slong								
At surface 404 from the	II. SEC., T., R., M., OR BLK. AND SURVEY OR ARBA								
At proposed prod. zon	Sec 20, T15N, R1E,								
Same as above	S.M.P.M. 3 465								
	AND DIRECTION FROM NEAR			•	1	Sandoval - New Mexico			
15. DISTANCE FROM PROPE	of San Ysidro,	New Mexico		. OF ACRES IN LEASE	1 17. No. 0	Sandoval - New Mexico			
LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. 404 Ft.				2560		Cas Storage			
(Also to nearest drig, unit line, if any) 18. DISTANCE FROM PROPOSED LOCATION®						RY OR-CABLE TOOLS			
TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 2380 Ft.			- 2	2400 Ft.		Rotary			
21. ELEVATIONS (Show wh	ether DF, RT, GR, etc.)		·		=	-22. APPROX. DATE WORK WILL START			
5698 Ft. Ung	raded Ground Lev	el			i	June 15, 1977			
23.	P	ROPOSED CASI	NG ANI	CEMENTING PROGRA	AM :				
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER F	оот	SETTING DEPTH		QUANTITY OF CRMENT			
12 1/4"	8 5/8"	24.0#		450 Ft.	,	365 sacks			
7 7/8"	5 1/2"	15.50#		2400 Ft.		360 sacks 1st stage			
					1 %	270 sacks 2nd stage			
	'					그는 요회 스틸 등 모든 현객들이 모르는			
1. We propos	se to mud drill	a 7 7/8" h	010 t	o total depth	of app	roy 2400 ft			
r. we propos	se to mad dilli	a / //O II	OTC (to cocar depth	or appi	5 6 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			
2. It is our intention to core the Aqua Zarco formation and the Poleo formation.									
	•								
3. Run 5 1/2", 15.50#, K-55 casing to total depth of 2400 ft. R.K.B. 1st Stage									
cemented w/approx. 360 sacks of cement. Stage collar will be set at approx. 1100 ft. and will cement 2nd stage with 270 sacks of cement.									
1100 11.	and will cement	. Ziid Stage	WILI	1 270 Sacks of	cement.	* 第3808308308			
4. The Aqua	4. The Aqua Zarco formation will be perforated and evaluated for possible the same areas.								
5. 2" E.U.E	., 4.70#, J-55 t	ubing will	be r	un and set at	approx	. 2475 Et. B.K.B.O.			
• •					2	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			
IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and time vertical dribbal. Give bowout preventer program, if any.									
24.		4	-	Drilling &					
SIGNEROUS	ug Men	12 TI	LE	Production Eng		DATE 5123179			
(This space for Fede	eral or State office use)	`			-	NEW THEFT			
PERMIT NO.				APPROVAL DATE					

NEW MEXICO OIL CONSERVATION COMMISSION WELL LOCATION AND ACREAGE DEDICATION PLAT

All distances must be from the outer boundaries of the Section

CAS COMPA	em Unio Explor	exico	Lease 5.000	Thin- 1-12395	Well No.					
Unit Letter N	Section 20	Township 15 NORTH	EAST EAST	SANDOVAL						
Asiasi Footage Lea	test from the SC	OUTH line and		WEST	line					
Ground Level Elevi 5698	Producing For		Post La Milpen Nono	D. is Storage	Dedicated Accesses Cas Storage 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									
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.										
	ı		l l		CERTIFICATION					
	 		 	tained her	ertify that the information con- ein is true and complete to the knowledge and belief.					
				New	ella Sul					
	; 		1° 1 1	Prilling Conpuny	& Production Enginee					
	i i		i ! !	Date	Union Exploration Co					
		20	·		SSIONAL EXEMPERATE					
	1		! ! !	I her 是	pis plates plotted from field					
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	1		1818m.	Date Surveyo	ed					
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23	60 	—⊕ /	ON COST. 3		Surveyor Jacobse P. Leese					
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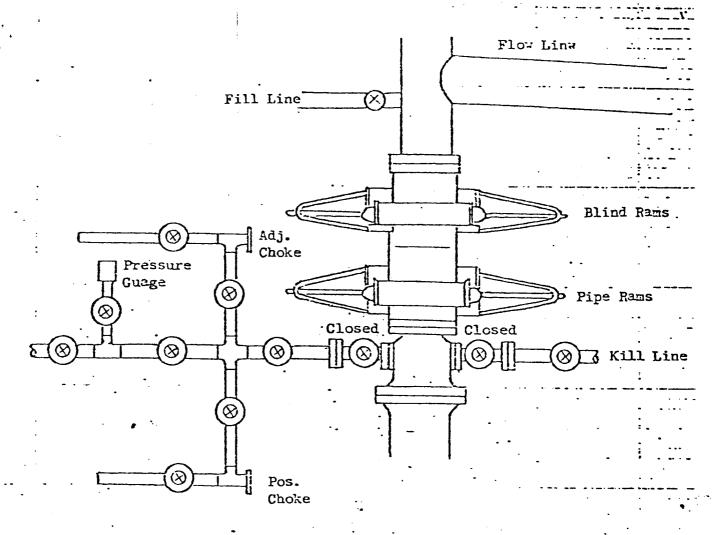




SOUTHERN UNION EXPLORATION COMPANY CALCULATION SHEET

Subject: Drilling Well Site Layout - Las Milpas Gas Storage Unit Well No. 8 EXHIBIT IX Location: Section 20, T-15-N, R-1-E, Sandoval County, New Mexico/2080' FWL, 404' FSL Date: 5-79 1001 135 Drilling Mud Reserve Rig Pit Pit Ю0, New Road Parking Area Well Pipe Cat Racks Walk Burn Flare Pit Pit 175

40



All valves 2"

All BCPs, flanges, spools, valves, & lines must be series 900 or 3000 psi working press.

Choke manifold must be at ground level and extended out from under substructure.

SOUTHERN UNION EXPLORATION COMPANY First International Bldg. Suite 1800 Dallas, Texas 75270

REQUIRED MINIMUM BLOWOUT PREVENTOR HOOKUP

1. Existing Roads

- A. Proposed Well Site Location: The proposed well site location was surveyed and staked by a registered land surveyor and is located 404' from the south line and 2380' from the west line, Section 20, T15N, RIE, Sandoval County, New Mexico. (See Exhibit I Surveyor's Plat.)
- B. Planned Access Route: The planned access route begins 2.38 miles south of San Ysidro, New Mexico on Highway #44, and extends 6 miles to the well location on hard surface road.
- C. Access Road Labelled:

Color Code: Red - Improved Surface Blue - New Access Road

- D. Not Applicable The proposed well is a development well.
- E. See Exhibit II for existing roads within a one mile radius.
- F. The existing roads will require minimal maintenance.

2. Planned Access Roads

(All roads are existing roads.)

- A. Width: The average width of the road is twelve feet.
- B. Maximum Grades: The maximum grade on the proposed road will be approximately 10%.
- C. Turnouts: There are no turnouts planned as sight distance is sufficient.
- D. Drainage Design: The road is center crowned to allow drainage.
- E. Culverts Use Major Cuts and Fills: No culverts will be needed in building this road. No cuts or fills will be needed.
- F. Surfacing Material: Native soil has been wetted, bladed and compacted to make the road surface, which is existing.
- G. Gates, Cattleguards, Fence Cuts: One gate and one cattleguard will be needed.
- H. New Roads Centerlined Flagged: Existing roads.

3. Location of Existing Wells

The proposed well is a development well. Exhibit III shows existing wells within a one mile radius.

- A. Water Wells: 3
- B. Abandoned Wells: None
- C. Temporarily Abandoned Wells: None
- D. Disposal Wells: None
- E. Drilling Wells: None
- F. Gas Storage Wells: 7
- G. Shut-In Wells: None
- H. Injection Wells: None
- I. Monitoring or Observation Wells: 2

4. Location of Existing and/or Proposed Facilities

- A. Existing facilities within one mile owned or controlled by Lessee/Operator:
 - 1. Tank batteries N/A
 - 2. Production facilities N/A
 - 3. Oil Gathering Lines N/A
 - 4. Gas Gathering Lines N/A
 - 5. Injection Lines N/A
 - 6. Disposal Lines N/A
- B. New facilities in the event of production:
 - 1. New facilities will be within the dimensions of the drill pad.
 - Dimensions are shown on Exhibit IV.
 - 3. Construction Materials/Methods: Construction materials will be native to the site. Facilities will consist of a well pad.
 - Protection of Wildlife/Livestock: New facilities will be fenced as needed to protect livestock or wildlife.
 - 5. New facilities will consist of a wellhead.
- C. Rehabilitation of Disturbed Areas:

Following the completion of construction, those areas required for continued production will be graded to provide drainage and minimize erosion. Those areas unnecessary for use will be graded to blend with surroundings topography per BLM recommendations.

5. Location and Type of Water Supply

- A. Location and type of water supply: Water will be hauled from a near by well.
- B. Water Transportation System: Water trucks will be used.
- C. Water Wells: Near by.

6. Source of Construction Materials

- A. Materials: Construction materials will consist of soil native to the site. Any topsoil, if present, will be stripped and stockpiled as needed.
- B. Land Ownership: The planned site and access road is on federal land administered by the Bureau of Land Management.
- C. Materials Foreign to the Site: N/A
- D. Access Roads: No additional roads will be required.

7. Methods for Handling Waste Disposal

- A. Cuttings: Cuttings will be contained in the reserve pit.
- B. Drilling Fluids: Drilling fluids will be retained in the reserve pit.
- C. Produced Fluids: Produced fluids, including produced water will be collected in the reserve pit. Any small amount of hydrocarbon that may be produced during testing will be retained in the reserve pit. Prior to clean up operations, the hydrocarbon material will be skimmed.
- D. Sewage: Sanitary facilities for sewage disposal will consist of at least one pit toilet, during the driller operations. The pit will be backfilled immediately following completion of the drilling operation.
- E. Garbage: There probably will not be much putriscible garbage to dispose of. However, it will be disposed of along with the refuse in a constructed burn pit, which will be fenced. The small amount of refuse will be burned and the pit will be covered with a minimum 36 inch cover upon completion.
- F. Clean-Up of Well Site: Upon release of the drilling rig, the surface of the drilling pad will be prepared to accommodate a completion rig, if testing indicates potential productive zones. In either case, the "mouse hole" and "rat hole" will be covered to eliminate a potential hazard to livestock. The reserve pit will be fenced to prevent entry of livestock until the pit is backfilled. Reasonable clean up will be performed prior to final restoration of the site.

8. Ancillary Facilities

None required.

9. Well Site Layout

A. See Exhibit IV.

9. Well Site Layout (Cont'd)

- B. Location of pits, etc. See Exhibit IV.
- C. Rig orientation, etc. See Exhibit IV.
- D. Lining of Pits: Pits will not be lined. They will be covered with a fine mesh netting, if necessary, for the protection of wildlife if fluids are found to be toxic.

10. Plans for Restoration of Surface

- A. Reserve pit clean up: The pit will be fenced prior to rig release and shall be maintained until clean up. Prior to backfilling any hydrocarbon material on the pit surface will be removed. The fluids and solids contained in the pit shall be backfilled with soil excavated from the site and with soil adjacent to the reserve pit. The restored surface of the reserve pit will be contoured as needed to minimize erosion. The reserve pit area will be seeded per BLM recommendations during the appropriate season following the final restoration of the site.
- B. Restoration Plans Production Developed: The reserve pit will be backfilled and restored as described under Item A. In addition, those disturbed areas not required for production will be graded to blend with the surrounding topography, and seeded, per BLM recommendations. The portion of the drill pad required for production and turning areas will be graded to minimize erosion and provide access to production facilities under inclement conditions. Following depletion and abandonment of the site, restoration procedures will be those under Item C. below.
- C. Restoration Plan No Production Developed: The reserve pit will be restored as described above. With no production developed, the entire surface disturbed by construction of the drilling pad will be restored. The site will be contoured to blend with the surrounding topography. The site will be seeded according to BLM recommendations. If the new access road is not required for other development plans, if will be obliterated and restored and seeded per BLM recommendations.
- D. Rehabilitation Time Table: Upon completion of operations the initial clean up of the well site will be performed. Final restoration of the site will be performed as soon as possible according to procedural guidelines published by the USGS and BLM. Seeding of the disturbed areas which are no longer required will be performed during the appropriate season, following final restoration.

11. Other Information

- A. Surface Description: The surface description of the proposed site where the actual well is located is in the bottom of the canyon with a steep cliff just to the west of the location. A 40' cut will be needed to complete the pad.
- B. Surface Use Activities: The surface is federally owned and managed by the BLM. The predominant surface use is mineral exploration and production.
- C. Proximity of Water, Dwelling and Historical Sites:
 - 1. Water: There is a water well about one mile from the immediate area.
 - 2. Occupied Dwelling: There are two trailer houses within 300 yards of the locations which are occupied.
 - 3. Site: An archeological reconnaissance has been performed for this location and clearance has been granted.

12. Operator's Representative

Ronald M. Sentz Drilling & Production Engineer Southern Union Exploration Company 1800 First International Building Dallas, Texas 75270

13. Certification

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route; that I am familiar with the conditions as they actually exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and that the proposed work performed by Southern Union Exploration Compamy and its contractors and subcontractors will conform to this plan.

DATE: $\frac{5/23/79}{}$

Ronald De Sents