	14. 170.			90814	APPROVED //
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m 3160-3	TES	SIA, NM 832 IV-21	S.F.E.	Express: Fe	brusry 28, 1995
	UNITED STATES		(Other instruction	5 LEASE DESIGNATION A	
DEPART	MENT OF THE INTE	RIOR	reverse side)		
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	PLICATION FOR PERMIT TO	DOILL OF DE	EDEN	E P POWE ALLOH IES C	
	PLICATION FOR PERMIT TO	791 H 111	8 15 A 19 2	2	20342
I, TYPE OF MOPK	DRILL	DEEPEN	010 A 6 Z	7. UNIT AGREEMENT NA W. H	enshaw Premier Unit #406
TYPE OF MELL		SINGLE	MULTIPLE	7	
WELL OIL	GAS 119967 OTHER		ZONE	8. FARM OR LEASE NAM	E, WELL NO.
NAME OF OPERATOR	1401				
Saga Petroleum I	LC c/o Continental Land Resou	rces LLC		9. API WELL NO.	
ADDRESS AND TELEPHON	ENO.	//	COT 2000 RECEIVED D. ARIESU	30-01	5-31379
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LOCATION OF WELL	(Report location clearly and in accordance with an	y State requiring (grits.?)	7	N PEDADION W	/. Henshaw Grayburg
2450°FSL & 258			DOT 2000	11. SEC. T.R.M. BLOOK	LAND SLEWEY
2130 1 32 00 200	14 H	25.26.2)	RECEIVED	OR AREA	
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	RECTION FROM NEAREST TOWN OR POST OFFICE	- / c	T'LSIA	12. COUNTY OR PARISH	13. STATE
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LUCATION TO NEAR	±S! 2450°	160,00	то	THIS WELL 4	0.0
PROPERTY OR LEAS (Also to nearest datg. unit lin					
8. DISTANCE FROM PROPO		19. F	PROPOSED DEPTH	20. ROTARY OR CABLE TOOL	\$
TO NEAREST WELL,	DRILLING COMPLETED,		0003	ar ar	-1
OR APPLIED FOR, ON	THIS LEASE, FT. 1000"	3	000,	K	otary
					WWW. ATARTA
1. ELEVATIONS (Show what 3835)	er DF, RT, GR, etc.)			22. APPROX, DATE WOR	KANTESINKI
			7110 DD0000111		
3		ING AND CEMENT		SETTING DEPTH	QUANTITY OF CEMENT
SIZE OF HOLE	GRADE, SIZE OF CASING	111600			
12-1/4"	8-5/8"	24#		450° 3000°	Circulate to surface 380 sxs
7-7/8"	5-1/2"	15.5	D#	3000	300 383
		j	İ		1
Duratio	n of Program: Drilling - Ter	n (10) days	The undersig	ned accepts all applicab	ole terms,
		AT: (0) 1		tipulations, and restricti	
CNEDS	Completion -	ram		perations conducted on	
			land or portion	ons thereof, as described	<u>L</u>
SPECIAL STI	PULATIONS	EXHIBITS			
~~		EXIIIDITS			
Fyhihit	"A": Drilling Program Exhi	ibit "D": Location	n Plat Exh	ibit "G": BOP Program	
	11 . 21	ibit "E": Exisitng		_	
		ibit "F": Rig Laye	out		
IN ABOVE SPACE, DI	ESCRIBE PROPOSED PROGRAM:	If proposal is to deep	en, give data on present p	roductive zone and proposed new	productive zone.
	en directionally, give pertinent data on subsurfa	ice locations and measu	red and true vertical depth Agent/Saga Petrol	e. Give blowout preventer program	m, if any. 8/8/00
SIGNED	James Great	TITLE	Agenio Saga Feti Ol	DATE	G/ G/ OV
(This space for Federal or State)	1 10 00				
(This space for Federal or State) PERMIT No.	anas sapa)		APPROVAL DA	TE	
Application approved does not we	errant or certify that the applicant holds legal or equitable VAL IF ANY:	te title to those rights inAnSi	oistant Pettell	te the applicant to conduct operations to	hereon.
CONDITIONS OF APPRO	/S/LATHY D. BHAY	TITLE La	nds And Mine	'als DATE	OCT 0 2 2000
APPROVED BY		_ '''''		- VAIL	
		See Instructions Of	n Keverse Side	to any department or agen	cy of the County of the County

140 1400 ----

EXHIBIT "A" West Henshaw Premier Unit #406

DRILLING PROGRAM

- I. The geological surface formation is Quaternary.
- II. Estimated Tops of Geological Markers:

<u>FORMATION</u>	<u>DEPTH</u>
Yates	1400'
Queen	2125'
Penrose	2275'
Premier	2825'
San Andres	2850'
TD	3000'

III. Estimated depths at which water, oil, gas or other mineral-being formations are expected to be encountered:

SUBSTANCE	<u>DEPTH</u>
Fresh Water	None anticipated
Oil	2850'
Gas	2850'

IV. Proposed Casing Program:

Hole Size	Casing Size	Grade	Weight Per Foot	<u>Depth</u>
12-1/4"	8-5/8"	J-55	24#	450'
7-7/8"	5-1/2"	J-55	15.5#	3000'

B. Proposed Cement Program:

8-5/8"

Cement with 310 sacks Class C, 2.% CACL2 and

56.0% H2O, circulate to surface.

5-1/2"

Cement with 260 sacks 35:65 POZ (35% POZ 65% Class C) 6.0% Gel (Bentonite), 5.0 LB/SK salt and 105% H2O and 120 sacks 50:50 POZ (50% POZ: 50% Class C), 2.0% Gel (Bentonite), 5.0% LB/SK salt, 0.2% CD-32, 0.4% FL-62 and 57.0% H2O

V. Proposed Mud Program:

The well will be drilled to 450' using fresh water/soad ash/bentonite and ground paper (Weight 8.4 to 9.4). From 450' to 2,700', brine water will be used (Weight 10-10.2). From 2,700' to 2,900', mud up mixing yellow starch for a water loss of 10-15cc and salt gel for a viscosity of 32 to 35 sec/1000cc. Maintain a 9-10pH with caustic soda and continue to mix paper for seepage losses and to sweep hole. At TD mix 3,5 gal cns of Envirodrill NE (MF-55) prior to pulling out of the hole for E Logs & to run casing.

VI. Proposed Control Equipment:

Will install Shaffer type E 10" series 900 hydraulic BOP. See Exhibit "G" for BOP layout.

VII. Auxiliary Equipment:

Blowout preventor, gas detector, kelly cock, pit level monitor, flow sensors, and stabbing valve.

VIII. A. Testing Program:

Drill Stem Tests: If necessary

B. Logging Program:

CNL, DLL or GL, CDL or GR

C. Coring Program:

None planned

- IX. No abnormal pressures or temperatures are anticipated. In the event abnormal pressures are encountered, however, the proposed mud program will be modified.
- X. H2S: None anticipated as none encountered in previously drilled wells in the vicinity.

EXHIBIT "B"

SURFACE USE AND OPERATIONS PLAN CULTURAL RESOURCES SURVEY APPROXIMATE REHABILITATION SCHEDULE

LOCALITY: West Henshaw Premier Unit #406

LOCATION: NWSE OF SECTION 4 T16S-R30E, NMPM EDDY COUNTY, NEW MEXICO

OPERATOR: SAGA PETROLEUM LLC

SUBMITTED TO:

UNITED STATES DEPARTMENT OF THE INTERIOR

BUREAU OF LAND MANAGEMENT

CARLSBAD DISTRICT OFFICE

P.O. BOX 1778

CARLSBAD, NEW MEXICO 88220 TELEPHONE (505) 887-6544 This plan is submitted to provide permitting agencies with information necessary to allow an appraisal of the environmental effects associated with the proposed drilling operations. Within the context of typical drilling operations, this plan provides for protection of surface resources and other environmental components. This plan has been developed in conformity with the United States Geological Survey NTL-6 guidelines, Bureau of Land Management Oil and Gas Order No. 1, and in connection and consultation with the private surface owner of record, it other than the United States of America, as well as the Roswell District Office for the Bureau of Land Management and the United States Department of the Interior personnel.

PART #1

1) Surface Location:

NWSE of Section 4, Township 16 South, Range 30 East, NMPM Eddy County, New Mexico 2450' FSL & 2581' FEL See attached Exhibit "C"

2) Bottom Hole Location

NWSE of Section 4, Township 16 South, Range 30 East, NMPM Eddy County, New Mexico 2450' FSL & 2581' FEL See attached Exhibit "C"

3) <u>Lease Issued:</u>

a) LC-067610

4) Record Lessee:

a) Occidental Permian Ltd. 580 Westlake Park Blvd Houston, TX 77079 100%

5) Acres in Lease:

160.00

6) Acres Dedicated to Well:

There are 40.0.00 acres dedicated to this well which takes in the NWSE of Sec. 4, Township 16 South, Range 30 East, Eddy County, New Mexico.

PART #2:

1) Existing Roads:

Exhibit "D" comprises 2 maps showing location of the proposed well, as staked, in relation to Eddy County Road 217 and existing roads. Road 217 will be used for approximately 11 miles north of Loco Hills, New Mexico to Eddy County Road 256. Turn east go approximately 1/2 mile to the new access road on the right (south). The new access road goes south for approximately 300' to the West Henshaw Premier Unit #406. Access is highlighted on the Exhibit "D".

2) Planned Access:

A. <u>Length and Width:</u> The new access road will be approximately 300 feet long and 20' wide.

3) Location of Existing Wells:

Exhibit "E" shows exiting wells within a 1-mile radius of the proposed well.

4) <u>Location of Tank Battery, production Facilities & Production Gathering & Service Lines:</u>

If gas production is achieved, the location of the line will be determined by the purchaser laying the gather system to is existing lines.

5) Location and Type of Water Supply:

There is no useable water in this area. All water needed for drilling, testing and completion will be trucked in by a commercial transport on existing roads as shown on Exhibit "D".

7

6) Source of Construction Materials:

If it is necessary to use caliche on the new road and location, it will be obtained from the existing pits in the area as determined by the dirt contractor. The topsoil from the location (if any) will be stockpiled near the SE/corner of the location for future rehabilitation. No surface materials will be disturbed except those necessary for actual grading and leveling of the drill site and access road.

7) Method of Handling Waste Material:

- A. Drill cuttings will be disposed of in the reserve pits.
- B. Drilling fluids will be allowed to evaporate in the reserve pits until the pits are dry.
- C. All pits will be fenced with normal fencing materials to prevent livestock from entering the area.
- D. Water produced during operations will be collected in tanks until hauled to an approved disposal system.
- E. Saga Petroleum LLC will comply with current laws and regulations pertaining to the disposal of human waste.
- F. All waste materials will be contained to prevent scattering by the wind and will be removed from the well site within 30 days after drilling and/or completion operations are finished.
- 8) Ancillary Facilities: None required.

9) Well Site Layout:

- A. Exhibit "F" shows the relative location and dimensions of the well pad, reserve pits, and major rig components. The pad and pit area have been staked and flagged.
- B. Mat Size: 100' X 250' plus reserve pits.
- C. Cut & Fill: Only minor leveling of the drilling site is anticipated.
- D. The surface will be topped with compacted caliche and the reserve pits will be plastic lined.

10) Plans for Restoration of the Surface:

- A. After completion of drilling and/or completion operations, all equipment and other material not needed for operations will be removed. Pits will be filled and the location cleaned of all trash and junk to leave the well site in as aesthetically pleasing a condition as possible.
- B. Any unguarded pits containing fluids will be fenced until they are filled.
- C. If the proposed well is non-productive, Saga Petroleum LLC will comply with all rehabilitation and/or vegetation requirements of the Bureau of Land Management, and such rehabilitation will be accomplished as expeditiously as possible. All pits will be filled and leveled within 90 days after abandonment.

11) Other Information:

- A. <u>Topography:</u> The topography of the land surrounding the staked well is gentle rolling sand dunes, but generally flat, depicted on Exhibit "D".
- B. Soil: The topsoil at the well site is a brown sandy loam.
- C. <u>Flora and Fauna:</u> Vegetation consists of chinery oat and a sparse cover of grass, mainlygrama, dropseed, three-awn, some tabosa and burro grass along with mesquite, yucca, cactus and miscellaneous wildflowers. The wildlife consists of rabbits, coyotes, antelope, rattlesnakes, dove, quail, praire chickens and other wildlife typical of the semi-arid desert land.
- D. <u>Ponds and Streams</u>: There are not ponds or streams in the area of the well location or access road.
- E. <u>Residences and Other Structures:</u> There are no occupied residences or other structures on, or in the immediate vicinity of the proposed location.
- F. <u>Surface Ownership:</u> The surface around the location and access road is owned by the United States of America under the management of the Bureau of Land Management.
- G. Land Use: The land is used for grazing cattle.

H. Archaeological, Historical, and Other Cultural Sites:

In 1997, Desert West Archaeological Services conducted an archaeological survey of the proposed well which covers the drilling location, production facilities, and access road, including a corridor along said access road for power and flow lines. Their report has previously been filed with the BLM under separate cover.

I. Operator's Senior Representatives:

Joe Clement Saga Petroleum LLC 415 W. Wall, Suite 835 Midland, TX 79705 (915) 684-4293 Mobile (915) 557-7929

CERTIFICATION

I hereby certify that I have inspected the proposed drillsite and access route; that I am familiar wit the conditions which presently exist; that the statements made in the plan are, to the best of my knowledge, true and correct; and, that the work associated with the operations proposed herein will be performed by Saga Petroleum LLC and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

James L. Schultz

Agent for Saga Petroleum LLC

c/o Continental Land Resources LLC

P.O. Box 2691

Roswell, NM 88202-2691

(505) 626-6879 FAX (505) 622-3615

Date: 8-8-00

DISTRICT I P.O. Box 1980, Hobbs, NM 88241-1980

State of New Mexico Energy, Minerals and Natural Resources Departmen.

Form C-102 Revised February 10, 1994 Submit to Appropriate District Office

State Lease - 4 Copies

DISTRICT II P.O. Drawer DD, Artesia, NM 88211-0719

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

DISTRICT IV P.O. BOX 2088, SANTA FE, N.M. 67504-2088

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

AMENDED REPORT

Fee Lease - 3 Copies

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number	Pool Code	Pool Code Pool Name West Henshaw Graybur	
Property Code	Prop	erty Name	Well Number
	WEST HENSHAW	PREMIER UNIT	406
OGRID No.	Opera	ator Name	Elevation
	SAGA PETR	OLEUM LLC	3851

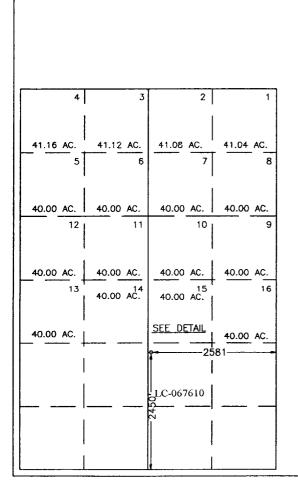
Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
J	4	16 S	30 E		2450	SOUTH	2581	EAST	EDDY

Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
Dedicated Acres	Joint o	r Infill Co	nsolidation (Code Ore	der No.				
40.0									

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



_ EXISTING ROAD "3848.1" -363' OF PROPOSED ACCESS ROAD 3849.2' 400' 3846.3'

> DETAIL 1"=1000'

OPERATOR CERTIFICATION

I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief.

Signature

James L. Schultz

Agent/Saga Petroleum LLC

Title

8/8/00

Date

SURVEYOR 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 supervisor, and that the same is true and correct to the best of my belief.

SEPTEMBER 15, 1997

Date Surveyed

DMCC

Signature & Seal of

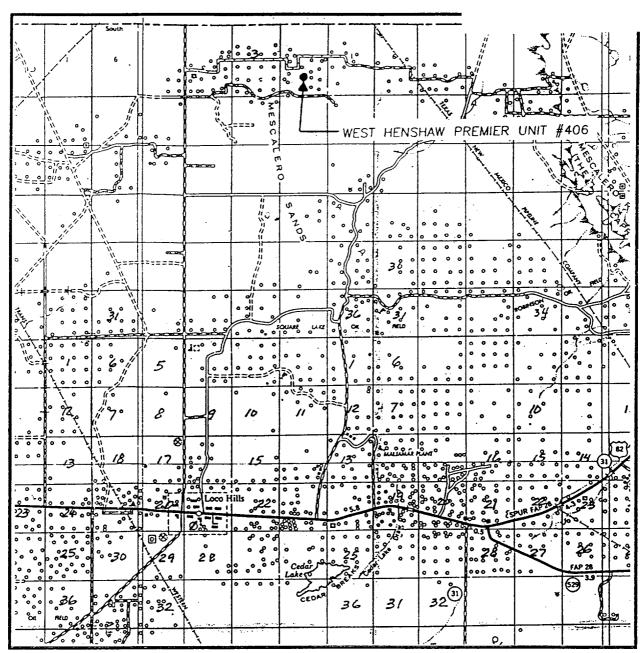
25-97

Certificate No. JOHN W. WEST RUNALD J. EID GARY EIDSON

676 3239 12641

VICINITY MAP

EXHIBIT D - 1

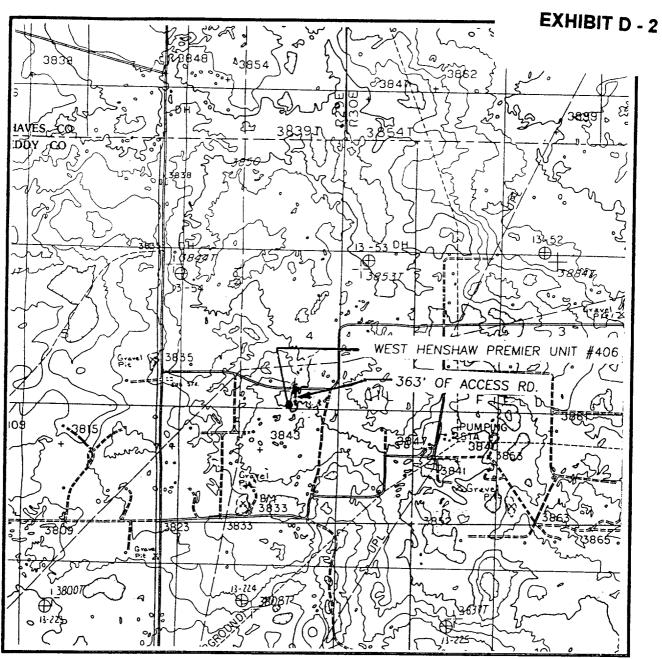


SCALE: 1" = 2 MILES

SEC. 4 TWP. 16-S RGE. 30-E
SURVEY N.M.P.M.
COUNTYEDDY
DESCRIPTION 2450' FSL & 2581' FEL
ELEVATION 3851
OPERATOR SAGA PETROLEUM LLC
LEASE WEST HENSHAW PREMIER UNIT

JOHN WEST ENGINEERING HOBBS, NEW MEXICO (505) 393-3117

LOCATION VERIFICATION MAP

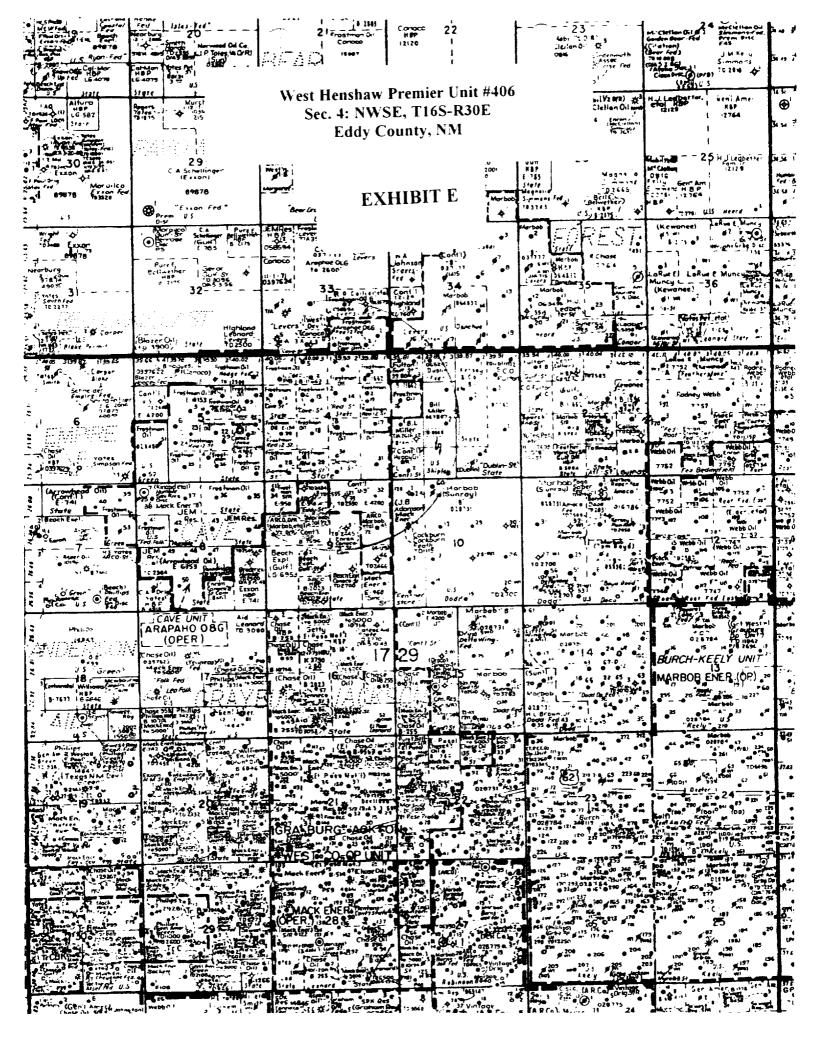


SCALE: 1'' = 2000'

CONTOUR INTERVAL: HENSHAW TANK - 10'

SEC. 4 T	WP. <u>16-S</u> RGE. <u>30-E</u>
SURVEY	N.M.P.M.
COUNTY	EDDY
DESCRIPTION	2450' FSL & 2581' FEL
ELEVATION	3851
	SAGA PETROLEUM LLC HENSHAW PREMIER UNIT
U.S.G.S. TOPO HENSHAW TAI	OGRAPHIC MAP NK, N.M.

JOHN WEST ENGINEERING HOBBS, NEW MEXICO (505) 393-3117

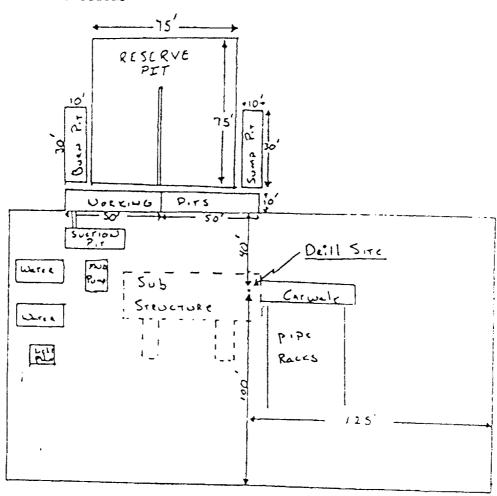


SUGGESTED PAD DIMENSIONS



Reserve Pits 4 ft. deep,plastic lined Working pits 5 ft. deep

No cellar



Seale 1"=50'

